

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD

REVENUE QUALIFYING DEPARTMENTAL EXAMINATION

HELD IN THE MONTH OF JANUARY, 2015

**Criminal Procedure Code, Pakistan Panel Code & Sindh Court's Criminal Circulars
(with Books)**

Tuesday the 13 January 2015

Time 02:00 P.M to 05:00 P.M

Max: Marks: 100

Note: (i) Attempt any 05 Questions. All questions carry equal marks.
(ii) Please quote rules in support of your answers.
(iii) Any candidate who attempts to reproduce the same language given in the book (text Book) his answers shall not be assessed.

- Q. No. 1 Explain circumstances which require framing of a formal charge by Magistrate against an accused. Also mention what particulars are stated in a charge?
- Q. No. 2 What is the identification parade? Under what provision for Federal capital and Sindh Court Criminal Circular it is conducted? Who will conduct the same? And what precautions shall be taken during identification test?
- Q. No. 3 If accused is too ill to travel or arrested in injured condition and hospitalized, not in a position to produce him before Judicial Magistrate for his physical custody remand, then under what provisions of law his detention in hospital would be legalized
- Q. No. 4 Describe between:-
(a) Wrongful restraint and wrongful confinement,
(b) Assault and criminal intimidation,
(c) Kidnapping and abduction,
(d) Theft and extortion
- Q. No. 5 What is the procedure under Sindh Courts Criminal Circulars for the destruction of useless Criminal record in the Courts of sessions?
- Q. No. 6 Under what circumstances, a person can be declared proclaimed absconder? Can a criminal Court attach the property of absconding accused?
- Q. No. 7 Differentiate Itlaf-i-Udw and Salahiyat-i-Udw? What is punishment for each offence?
- Q. No. 8 What are powers and duties of the Justice of Peace, when grievance is reported by an aggrieved person about non-registration of the FIR of the cognizable offence reported at local police station?

THE END

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

COMBINED COMPETITIVE EXAMINATION, 2013.

ISLAMIAT.

Thursday the 09th April, 2015

Time: 02:00 pm to 05: 00 pm

Maximum marks: 150

NOTE: Attempt any Five questions. All Questions carry equal marks.

QUESTION NO:

- 01 Write a brief note on the conception of God in Islam and explain the importance of Tauheed and Finality of Prophet hood of Hazrat Muhammad (SAWS) as the most important belief in Islam.
- 02 Zakat occupies a position of fundamental importance in the Islamic economic system. Explain in detail with reference to system of distributive justice.
- 03 Write short notes on the Rights and Duties of the following:
(a) Non-Muslims (b) Neighbours (c) Relatives
- 04 Explain Human dignity. How Islam recognizes it and what efforts have been adopted to maintain the superiority of man?
- 05 Allah Almighty sent Prophets to lead mankind out of darkness into the light. Discuss the necessity and significance of Prophets along with their exclusive characteristics.
- 06 Discuss the main causes; consequences and importance of Battle of Badar. Whether this battle was defensive or an offensive. Please Comment.
- 07 What were the initial difficulties faced by Hazrat Abu Bakar (R.A) as First Caliph of Islam? Discuss.

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD
REVENUE QUALIFYING DEPARTMENTAL EXAMINATION
HELD IN THE MONTH OF JANUARY, 2015

Sindh Land Revenue Act, 1967 etc
(without Books)

Wednesday 14th the January 2015

Time 02:00 P.M to 05:00 PM

Max: Marks:100

Note: (i) Attempt any 05 Questions. All questions carry equal marks.

- Q. No.1 Define any five (05) of the following terms quoting the law / rules:
- | | |
|-------------------------|--------------------------------------|
| (a) Produce Index Unit | (b) Rates and cesses |
| (c) Permanent tenant | (d) Ordinary expenses of cultivation |
| (e) Encumbrance | (f) Assessment Circle |
| (g) Boundry marks | (h) Village note Book |
| (i) Incremental Housing | (j) Jagir |
- Q. No.2 Differentiate between permanent record and periodical record. Explain the procedure of preparing periodical record which relates to land owner and that which relates to other persons?
- Q. No.3 "Arbitration Act not to apply to arbitration made under land Revenue Act 1967". "Jurisdiction of civil Courts is excluded in the matters with in the jurisdiction of Revenue Officers" Please elaborate the details?
- Q. No.4 What are the important prerequisites of an application made to the Revenue officer for defining the limits of an estate. Enumerate the procedure followed by Revenue officer concerned to define the limits of an estate under Land Revenue Rules 1968?
- Q. No.5 Briefly mention the procedure of issue of statement of conditions of tenancies. What are legal effects of statement of conditions? How the exchange of whole or any part of the tenancy is allowed?
- Q. No.6 Explain briefly conduct of the business by the Board of Revenue. Enumerate powers of the Board relating to revision of the orders by the Board and review of the orders by the Board?
- Q. No.7 Define scope of offense of (a) "Damaging canals" and (b) "endangering stability of canals" and punishment for each offense along with punishment for abatement of the said offences?

THE END

SINDH PUBLIC SERVICE COMMISSION,
HYDERABAD

REVENUE QUALIFYING DEPARTMENTAL EXAMINATION
HELD IN THE MONTH OF JANUARY, 2015

Land Acquisition Act 1894 etc
(with Books)

Thursday 15th the January 2015

Time 10:00 A.M to 01:00 PM

Max: Marks:100

-
- Note:** (i) Attempt any 05 Questions. All questions carry equal marks.
(ii) Please quote rules in support of your answers.
(iii) Any candidate who attempts to reproduce the same language given in the book (text Book) his answers shall not be assessed.
-

- Q. No.1 Define any four of the following:-
a) "Person interested".
b) "Produce Index unit"
c) "Local Zakat Committee"
d) "Court which passed a decree".
e) "Land".
- Q. No.2 Explain the provisions regarding declaration that land is required for public purpose and special powers in cases of urgency?
- Q. No.3 Describe the powers of Mukhtiarkar Court and powers of collector to transfer suits.
- Q. No.4 Describe the provisions relating to constitution of Land Commissions and their powers?
- Q. No.5 Under Civil Procedure Code 1908, after decree can Court also exercise powers of execution, if yes, how it can be enforced and in what cases execution is barred?
- Q. No.6 Do you think organization structure of Zakat at Federal, Provincial and district level is effective, suggest how it can be made more effective?

THE END

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD

REVENUE QUALIFYING DEPARTMENTAL EXAMINATION **HELD IN THE MONTH OF JANUARY, 2015**

Magisterial Case / or Judgment writing (Criminal Procedure Code and Pakistan Penal Code) **(With Books)**

Friday 16th the January 2015
Time 10:00 A.M to 12:00 Noon

Max: Marks:50

Q. NO.1 As a first class Magistrate write an imaginary judgment based upon evidence and facts as given below:-

On 21-09-2014, accused Muhammad Uris armed with Pistol, his brothers Muhammad Yousif, Ghulam Murtaza and Ali Asghar having lathies in their hands went to the shop of complainant on a Mehran Car when he was sitting with his friends Inayat Hussain and Muhammad Aslam on his vegetable shop. Muhammad Uris instigated to capture and teach lesson to complainant whereupon the person have lathies, caused lathi blows to complainant on his back, legs and other parts of body. The witness beseeched them, then accused Asghar and Ghulam Murtaza robbed of Rs. 7,000 /=-, CNIC and documents of Motor cycle lying in the drawer, thereafter, Muhammad Uris issued threats to complainant and then all accused boarded on the same car and went away. Such FIR was lodged U/S 392, 506/2, 114, 337-A (i), 337 F (i), 34, PPC. During investigation Police arrested accused Muhammad Uris, Muhammad Yousif and Ghulam Murtaza and recovered Rs. 2000/- from accused Uris, and documents of motor cycle from accused Muhammad Yousif and CNIC of complainant from the personal search of accused Ghulam Murtaza in presence of Mashirs namely Muhammad Haneef and Muhammad Usman. The complainant identified the recovery to be same which was robbed from him. Accused Ali Asghar obtained pre-arrest bail and joined the trial. On conclusion of investigation the challan was submitted before the Court of 1st class Magistrate for trial of the accused

After completion of usual formalities a formal charge was framed against the accused to which they pleaded not guilty and claimed to be tried.

During trial the complainant was examined, he produced copy of FIR, P.Ws Inayat and Muhammad Aslam were examined, they supported the version of complainant. Private Mashir Muhammad Haneef who supported the arrest and recovery. He produced such Mashirnama which was prepared on spot by the investigation Officer in presence of Mashirs. Lastly I.O was examined who arrested the accused and recovered the robbed articles from accused persons. They supported the case of prosecution, thereafter side was closed by the State counsel for the purpose of recording further evidence.

The statement of accused were recorded U/S 342 CR.P.C they simply denied the incident and recovery of above recovered articles which were not identified by the complainant before any Magistrate, neither they led any defense evidence in disproof of prosecution version nor examined themselves on oath.

THE END

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD
DEPARTMENTAL EXAMINATION OF SUB-ORDINATE TREASURY ACCOUNTS SERVICE
(ACCOUNTS CLERK) HELD IN THE MONTH OF JANUARY, 2015

Financial Rules & Procedure
(with Books)

Monday the 5th January 2015
Time 02:00 P.M to 05:00 P.M

Max: Marks:100

Note: (i) Attempt any 05 Questions. All questions carry equal marks.
(ii) Any Candidate who attempts to reproduce the same language given in the text book, his answer shall not be assessed.

- Q. No. 1 What are the provisions that apply to money tendered for credit as personal Deposit at a Treasury?
- Q. No. 2 Cash drawn on pay and travelling allowances bill of establishment should not be mixed with regular cash balance of the Department . Please comment?
- Q. No. 3 (a) What are the provisions of closing of cash book and carry forward of unpaid balances?
(b) What are the requisite certification on Closing of Cash Book?
- Q. No. 4 Write Short Notes on the followings:
 i. Issuance of Cheques in lieu of lost and Time Bared Cheques etc
 ii. New Accounting Model / SAP
 iii. Writ-Off power of losses of stamp
 iv. Budget Classification
- Q. No. 5 How inter Government transaction between Federal Government to Province shall be regulated and what is the role of Central Bank in this regard?
- Q. No. 6 Treasury Officer is Primarily responsible to the collector for working of the Treasury and for conduct of the subordinate Treasury Officials under Financial Rules .Explain Briefly?

THE END

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD

DEPARTMENTAL EXAMINATION OF ASSISTANT COLLECTOR'S PART-I

HELD IN THE MONTH OF JANUARY, 2015

Registration Act, Stamps Act, Court Fee Act, etc **(with Books)**

Monday the 5th January 2015

Time 10:00 A.M to 01:00 P.M

Max: Marks:100

-
- Note:** (i) **Attempt all Questions. All questions carry equal marks.**
(ii) **Any Candidate who attempts to reproduce the same language given in the Text book, his answer shall not be assessed.**
(iii) **Please quote rules in support of your Answers**
-

- Q. No.1 What is the effect of registration and non-registration of documents?
- Q. No.2 What is the scope of "Sale" explain its essential elements?
- Q. No.3 What are the essentials laid down for creation of valid gift?
- Q. No.4 In what circumstances, the Court fees of suit or appeal can be refunded?
- Q. No.5 How the wills can be deposited and disposed of? Explain in detail?

THE END

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD

REVENUE QUALIFYING DEPARTMENTAL EXAMINATION

HELD IN THE MONTH OF JANUARY, 2015

**Qanun-e-Shahadat Order 1984, Islamic law of Inheritance, Chapter VI to VIII of
Mohammedan law by Sir Din Shah (without Books)**

Monday the 12 January 2015

Time 02:00 PM to 05:00 P.M

Max: Marks: 100

Note: (i) Attempt any 05 Questions. All questions carry equal marks.

- Q. No. 1 Who is competent to testify and what numbers of witnesses are required in any case?
- Q. No. 2 What is primary & secondary evidence and how the contents of documents may be proved?
- Q. No. 3 How many classes are of the heirs?
- Q. No. 4 Write short notes on the following.
(a) Heritable Property.
(b) Principal of representation.
(c) Homicide.
- Q. No. 5 Write short Notes on any three of the following:
(a) Estoppel.
(b) Onus of proof.
(c) Approver.
(d) Decoy witness
(f) Examination of deaf and dumb witness.
- Q. No. 6 Explain terms "hostile witness" and "interested witness?" Differentiate between their evidentiary value.

THE END

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD

REVENUE QUALIFYING DEPARTMENTAL EXAMINATION

HELD IN THE MONTH OF JANUARY, 2015

Financial Rules under Devolution Rules 37 (e), Financial Publication. No. 1, Sindh C.S.R, T.A Rules 1960, etc
(with Books)

Tuesday the 13th January 2015

Time 10:00 A.M to 01:00 P.M

Max: Marks:100

Note: (i) **Attempt any 05 Questions. All questions carry equal marks.**
(ii) **Please quote rules in support of your answers.**
(iii) **Any candidate who attempts to reproduce the same language given in the book (text Book) his answers shall not be assessed.**

- Q. No. 1(a) Define the Duties and responsibilities of Controlling Officer for the purpose of countersigning the T.A Bills of sub-Ordinates.
- (b) What are the conditions for admissibility of T.A in the following cases:-
I. Journey undertaken for hearing of his seniority claims / appeals.
II. Journey undertaken to give or obtain Medical advice by a Government Servant.
- Q. No. 2 Describe the salient features of civil servants leave Rules 1986. What additional incentives have been enumerated form prescribed leave Rules 1955? Please discuss in detail.
- Q. No. 3 Differentiate between the following:-
i. Fee and Honorarium.
ii. Service qualifying for pension and condonation of service.
iii. "Extra Ordinary Leave" and "Leave not due".
iv. Personal Pay and substantive Pay.
- Q. No. 4(a) What are the conditions which regulate the payment of Arrear claims of a Government Servant?
(b) What is the procedure followed for issuing another cheque in lieu of?
I. Cheque Lost
II. Cheque expired
- Q. No. 5 Whether a Civil servant who remained absent from duty after expiry of his leave is entitled to any remuneration for the period of such absence and how his leave will be regulated?
- Q. No. 6 How the leave of Government Servant recruited for employment in the Department whose pay, allowances, lave salary and pension charged to the Federal Government but who is technically under administration control of the Sindh Government should be governed.

THE END

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD

DEPARTMENTAL EXAMINATION OF ASSISTANT COLLECTOR'S PART- I

HELD IN THE MONTH OF JANUARY, 2015

District Police Act, Criminal Tribes Act, etc
(with Books)
excepting Police Act

Monday the 5th January 2015

Time 02:00 P.M to 05:00 P.M

Max: Marks:100

Note: (i) Attempt any 05 Questions. All questions carry equal marks.
(ii) Any Candidate who attempts to reproduce the same language given in the text book, his answer shall not be assessed.
(iii) Please quote rules in support of your Answers.

Q. N. 1. Discuss the powers of a Magistrate to search and seizure of the weapons?

Q. N. 2. Discuss the mode of destruction of records of the Court of Magistrate?

Q. N. 3. Distinguish between:

- i) Inquiry and investigation.
- ii) Cognizable and non-cognizable case.
- iii) Compoundable and non-compoundable.
- iv) Confession and statement of accused.

Q. N. 4. Discuss the mode of removal of nuisance from waste land of town and village?

Q. N. 5. What are the punishments which can be awarded by authorized police officer to inferior police officer who discharges his duty in a negligent manner under the police Act?

Q. N. 6. What pre-cautions shall take by the Magistrate at the time of conducting the identification parade?

THE END

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD

DEPARTMENTAL EXAMINATION OF SUB-ORDINATE TREASURY ACCOUNTS

SERVICE (ACCOUNT CLERK) HELD IN THE MONTH OF JANUARY, 2015

Treasury Rules & Treasury Procedure **(with Books)**

Monday the 5th January 2015

Time 10:00 A.M to 01:00 P.M

Max: Marks: 100

-
- Note:** (i) **Attempt any 05 Questions. All questions carry equal marks.**
(ii) **Any Candidate who attempts to reproduce the same language given in the Text Book, his answer shall not be assessed.**
(iii) **Please quote the rules in support of your Answers**
-

- Q. No.1(a) When Government servant from whom a recovery is ordered is Transferred to the jurisdiction of another disbursing officer than how the recovery to be made?
- (b) A Disbursing Officer entered in to correspondence with the Government servants for whom the retirement order was passed by the accountant General?
- Q. No.2 What are the classes of contingencies? Please discuss briefly
- Q. No.3(a) How the issue of last pay certificate is regulated in cases of transfers on duty or return from leave.
- (b) What are the Exceptions for issuance of Cheque for less than Rs: 10/-
- Q. No.4(a) How the payment to work charged establishment is made?
- (b) How the payment to suppliers and contractors are made?
- Q. No.5 Differentiate between Earnest money deposits and security deposit?
- Q. No.6 Write short note on following
- (a) Abstract Bill.
- (b) Cash Balance Report.
- (c) Lapsed deposits.
- (d) Currency Chests

THE END

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD
REVENUE QUALIFYING EXAMINATION HELD IN TH MONTH
OF DECEMBER, 2013

**Criminal Procedure Code, Pakistan panel Code & Sindh Court Criminal
Circulars (with Books)**

Wednesday 11 December, 2013

Time 02:00 P.M to 05:00 P.M

Maximum Marks: 100

Note: (a) Attempt any Five questions. All questions carry equal Marks.
(b) Please quote rules in support of your answers.
(c) Any candidate who attempt to reproduce the same language
given in the Book (text Book) his answers shall not be assessed.

- Q.No.1. What is Forgery? What is punishment for committing Forgery?
- Q.No.2. Define the principles laid down for the guidance of Magistrate in the matter of granting remands?
- Q.No.3. What are the two courses open to an aggrieved person under the criminal law. What Procedure should a Magistrate follow on receipt of Complaint?
- Q.No.4. How would a Magistrate deal with a situation, when he finds that a dispute likely to cause a breach of peace exists for concerning certain land between two parties under what provision of law Magistrate may take action?
- Q.No.5. Define Diyat, Arsh and Damane. What is procedure for payment of the same to victim?
- Q.No.6. Distinguish between:-
(a) Cheating and extortion.
(b) Cheating and theft.
(c) Cheating and Criminal misappropriation.
(d) Cheating and Criminal breach of trust.
- Q.No.7. Describe the procedure relating to remand of accused to police custody and proceeding against absconders?

THE END

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD
REVENUE QUALIFYING EXAMINATION HELD IN DECEMBER, 2013

**Financial Rules under Devolution Rule 37 (e), Financial Publication No. 1 C.S.R,
T.A. Rules 1960 (With Books)**

Tuesday 10 December, 2013

Time 10:00 A.M to 01:00 P.M.

Max marks 100

-
- Note: (a) Attempt any Five questions. Each question carry equal Marks.
(b) Please quote rules in support of your answers.
(c) Any candidate who attempt to reproduce the same language given in the book (text Book) his answers shall not be assessed.
-

- Q.No.1.(a) Under what circumstance and rules vacation of pay, allowance. Leave salary, pension can be drawn through agent.
- (b) State Rules regulation the attachment of pay, allowances. How much Maximum amount can be attached and arranged for payment in case of court order.
- Q.No.2. What do you know about interruption of service for the purpose of pension? How arrears of pension are to be paid. What precautions are to be observed?
- Q.No.3. How encashment of LPR is to be paid?
- Q.No.4. Under what rule of conditions the collector orders the treasury officer that cash chests or strong box belonging to co-operative societies or Co-operative treary for safe custody?
- Q.No.5. What procedure shall be obsernt under contingencies for purchase of service postage stamps and what is mazimum limit of power of purchase?
- Q.No.6. Whether both Government servants (Husband & wife) entitled to draw ill station allowance in addition to house rent at head quarters allowance during them stay at hill station under T.A Rules
- Q.No.7. When touble the period of absence of Civil servant who remain absent who remains abosent after end of his leave shall be debited against his lea e account under Leave Rules on whethter disciplinary action can be taken against him under the Rules?
- Q.No.8. Distinguish between the following;_
- (a) Apprentice and Probationers.
(b) Subsitence grant & Substantive Pay
(c) Personal Pay and presumptive pay.
(d) Tenure post & Temporary post.

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD
REVENUE QUALIFYING EXAMINATION HELD IN DECEMBER, 2013

Sindh Land Revenue Act, 1967, etc
(without Books)

Tuesday 10 December, 2013

Time 02:00 P.M to 05:00 P.M.

Max marks 100

-
- Note: (a) Attempt any Five questions. Each question carry equal Marks.
(b) Please quote rules in support of your answers.
-

- Q.No.1. Mention authorities for conferment of powers to each class of revenue officers and what are functions of each class of Revenue officer?
- Q.No.2. Explain powers of Revenue officer to define the boundaries of land and what is procedure of demarcation and survey of Land?
- Q.No.3. Give the details of Record of Rights and periodical record. Explain the manner in which the record of right is prepared and attested?
- Q.No.4. Explain the procedure for grant of Land on 99 year lease under the existing Land grant policy. Also enumerate procedure of auction of Government Lands?
- Q.No.5. Explain the difference between order and decree of the Board. What are the powers and authority of the Board for revision and review of orders? Can an assistant Mukhaiarkar be invested with the powers of an assistant Collector of the First Grade?
- Q.No.6. What are the right and duties of tenants?
Explain the mechanism provided in Tenancy Act, 1950 to settle the disputes between tenants and landlords?
- Q.No.7. Different between Record of Rights and Periodical records. Who is the authority to order for Preparation and revision of both type of records?

****THE END****

C.E.
File 7

①

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

COMPETITIVE EXAMINATION FOR THE SELECTION OF CANDIDATES FOR
B.SC FORESTRY COURSE-2014-16
AT PAKISTAN FOREST INSTITUTE PESHAWAR.

English (Including Essay & Precis Writing)

Tuesday the 12th August, 2014

Time: 10: 00 am to 01: 00 pm

Max: marks: 100

NOTE: ATTEMPT ALL QUESTIONS. ALL QUESTIONS CARRY EQUAL MARKS

QUESTION NO:

01 Write an organized essay on any ONE of the following:

- (i) Learning from Mistakes.
- (ii) Unemployment- Causes and Solutions.
- (iii) The Crises of IDPs.
- (iv) The evils of Poverty.
- (v) Terrorism and its effects on economy.

02 Make a precis of the following passage assigning it an appropriate heading:

There were tears in the king's eyes. He looked at all his courtiers with great affection, but his mind was made up. He took off his royal robes and dropped them gently on the ground. The chief Minister picked them up tenderly and kissed them and sobbed like a child. Then the king took off his crown and held it in his hand. He raised his eyes to heaven and said, "O God, I give back to thee the gift of kingship which you bestowed upon me. I love my subjects, but, I love humanity more." Then he addressed his courtiers and said, "My friends, I go into the forest to pray for the rest of my life in order to find peace of mind. I sincerely hope that he whom you choose as your next king will be just and merciful. One day I will return to you not as your king, but as your servant, the servant of all human beings". He dropped the crown, which rolled down the steps of the throne, in perfect silence he walked of the hall.

03 (a) Give the meaning of any 05 (five) of the following idioms and use them in your own sentences.

- (i) Drag one's feet
- (ii) On the same page
- (iii) Once in a blue moon
- (iv) To take to heels
- (v) Look down upon
- (vi) Sitting on the fence.

P. T. O.

03 (b) Do as directed, any five of the following:

- (i) I forgave him his fault. (Change the Voice)
- (ii) Promises should be kept. (Change the Voice)
- (iii) "My sons," said he, "a great treasure lies hidden in the estate I am about to leave you." "Where is it hid?" said the sons. "I am about to leave you," said the old man, "but you must dig for it." (Change into indirect speech).
- (iv) Stones should not be thrown by those who live in glass houses. (Change the Voice).
- (v) Every people know this. (Correct the sentence)
- (vi) She will go to fetch water yesterday. (Correct the sentence)

04 (a) Write Feminines of any five of the following words and use them in your own sentences.

- (i) Horse
- (ii) Bull-calf
- (iii) Billy-goat
- (iv) Lion
- (v) Peacock.
- (vi) Hart

04 (b) Substitute one word for any five of the following and use them in your own sentences.

- (i) Deviation from Common rule or standard.
- (ii) People who speak two languages.
- (iii) Want of rain
- (iv) The science which deals with words.
- (v) A game in which neither party wins.
- (vi) Liable to catch fire easily.

05 Translate the following passage in Sindhi/Urdu.

Man works out of two instincts - hope and fear. The first finds expression in the hope to gain reward for work and the second manifests through the fear of punishment if work is not done. By experience it has been found that work under the second is slavish and uncreative. Hence reward is taken to be the greatest incentive for creative and fruitful service. The question now arises why should we practice virtue if the reward is absent, as often it is? Because virtuous people often suffer punishment instead of reward for practising virtue, should we discontinue its practice and observance? The answer is emphatically in negative. The virtuous man has a clean conscience which itself is the abode of joy and serenity.

-----THE END-----

7

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

COMPETITIVE EXAMINATION FOR THE SELECTION OF CANDIDATES FOR

B.SC FORESTRY COURSE-2014-16

AT PAKISTAN FOREST INSTITUTE PESHAWAR

GENERAL KNOWLEDGE.

Tuesday the 12th August, 2014

Time: 02: 00 pm to 05: 00 pm

Max: marks: 100

NOTE: Attempt any 05 questions, Question No: 01 is compulsory. All questions carry equal marks.

QUESTION NO:

01 Fill in the blanks.

- (i) Ophthalmology deals with _____.
- (ii) The plant that bears fruit only once in life time is _____.
- (iii) The theory of expanding universe was first proppunded by _____.
- (iv) Nitrogen occurs in plants and animals in the form of _____.
- (v) The historic Pakistan Resolution was passed at Minto Park Lahore in 1940
_____ presented it in the meeting of All India Muslim Leage.
- (vi) _____ are those parts of Salah, which if perfomed are rewarded and
if neglected no punishment is due.
- (vii) _____ was first President of Pakistan.
- (viii) _____ is the national flower of Pakistan.
- (ix) _____ is the shortest Surah of the Holy Quran.
- (x) _____ discovered for the first time that the earth moves round the sun.
- (xi) _____ presented the Theory of Relativity.
- (xii) Croatia is stuated in _____ continent.
- (xiii) The language with biggest vocabulary is _____.
- (xiv) _____ is currency of Thailand
- (xv) The deepest point on the surface of the earth is _____.
- (xvi) _____ is the longest river in the world.
- (xvii) The capital of Norway is _____.
- (xviii) The number of Surah in the Holy Quran is _____.
- (xix) _____ is the Surah of the Holy Quran which starts without Bismillah.
- (xx) The mazar of Dolah Darya Khan is located at _____.

P.T.O.

02. How would you describe the wave of militancy in Pakistan? Also mention the success of latest steps taken by the Government of Pakistan to eliminate terrorism.
03. Despite the fact that nature has bestowed everything to Pakistan, yet our country is far behind in real progress and prosperity. What in your view are the reasons of our backwardness .
04. What are the causes of worsening law and order situation in Rural Sindh? Suggest some measures to address the issue.
05. What are the causes of deteriorating standard of education in Sindh? Propose such measures to address the issue and bring the standard at par with other Provinces of Pakistan.
06. Write short notes of about 15 lines on any five of the following:
- (i) IRSA
 - (ii) Battle of Badar.
 - (iii) Zakat
 - (iv) Solar Energy
 - (v) Two Nation Theory.
 - (vi) UNO.

-----THE END-----

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.
COMPETITIVE EXAMINATION FOR THE SELECTION OF CANDIDATES
FOR B.Sc. FORESTRY COURSE 2014-16
AT PAKISTAN FOREST INSTITUTE PESHAWAR.

MATHEMATICS

Wednesday the 13th August, 2014

Max. Marks: 200

Time: 10: 00 am to 01 :00 PM

NOTE: Attempt any SIX questions. Select at least THREE questions from each section. All questions carry equal marks.

SECTION-I

- Q.1 (a) Let $A = \{a, n, t\}$, $B = \{t, a, p\}$ and $C = \{s, a, p\}$. Then find
 $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$.
- (b) Solve any two of the following:
- (i) $2x^2 + x = \frac{1}{2}$ (ii) $\left(t + \frac{1}{t}\right)^2 = 4\left(t - \frac{1}{t}\right)$ (iii) $x + y = 5$
 $2x + 3y = 2xy$
- (c) If α, β are the roots of $px^2 + qx + r = 0$, $q \neq 0$, form the equation whose roots are
 $\frac{-1}{\alpha^3}$ and $\frac{-1}{\beta^3}$.
- Q.2 (a) (i) Define Matrix, rectangular and square matrix, scalar matrix and identity matrix.
- (ii) Find the inverse of a matrix $\begin{bmatrix} 4 & 7 \\ 2 & 6 \end{bmatrix}$ by Adjoint method.
- (b) Without expansion prove that $\begin{vmatrix} \alpha & \beta\gamma & \alpha\beta\gamma \\ \beta & \gamma\alpha & \alpha\beta\gamma \\ \gamma & \alpha\beta & \alpha\beta\gamma \end{vmatrix} = \begin{vmatrix} \alpha & \alpha^2 & \alpha^3 \\ \beta & \beta^2 & \beta^3 \\ \gamma & \gamma^2 & \gamma^3 \end{vmatrix}$.
- (c) Use Cramer's rule to solve the following system of three linear equations:
 $x + 2y + z = 8$, $2x - y + z = 3$, $x + y - z = 0$.
- Q.3 (a) Use mathematical induction to show that
 $1 + 5 + 9 + \dots + (4n - 3) = n(2n - 1)$.
- (b) Evaluate $(3 + \sqrt{2})^4 - (3 - \sqrt{2})^4$.
- Q.4 (a) (i) Find the 70th term of the following Arithmetic Progression (A.P).
 $1, 5, 9, 13, 15, \dots$
- (ii) What term of the following G.P is 4096?
 $1, 4, 16, 64, 256, 1024, \dots$
- (b) Find the arithmetic mean, geometric mean and harmonic mean of 8 and 4.
- (c) If A, G, H are respectively the arithmetic, the geometric and the harmonic means between any two given numbers, then prove that $G^2 = AH$.

P.T.O.

Q.5 (a) Define equilateral triangle, isosceles triangle and scalene triangle. Without using table find the value of $\sin 60^\circ$.

(b) If $\cos \theta = \frac{2}{3}$ and $\rho(\theta)$ is in the first quadrant, find the remaining trigonometric functions.

(c) Prove any two of the following identities:

$$(i) 1 + \tan^2 \frac{\pi}{4} = \sec^2 \frac{\pi}{4} \quad (ii) (\sin \theta - \cos \theta)^2 = 1 - 2 \cos \theta \sin \theta$$

$$(iii) \frac{\sqrt{1 - \sin \theta}}{\sqrt{1 + \sin \theta}} = \sec \theta - \tan \theta$$

SECTION-II

Q.6 (a) Evaluate any Three of the following limits:

$$(i) \lim_{x \rightarrow 1} \frac{\sqrt{5x-4} - \sqrt{x}}{x-1} \quad (ii) \lim_{x \rightarrow \infty} \left[\frac{x^2}{x+1} - \frac{x^2}{x+3} \right]$$

$$(iii) \lim_{x \rightarrow 0} \left[\frac{\cos x - \cot x}{x} \right] \quad (iv) \lim_{x \rightarrow \infty} \left[x - \sqrt{x^2 - a^2} \right]$$

(b) Examine the continuity of the following functions:

$$(i) f(x) = x \sin \frac{1}{x}, \quad x \neq 0 \quad (ii) f(x) = x - 1, \quad x < 2$$

$$= 0, \quad x = 0 \quad = 2x - 3, \quad x \geq 2$$

Q.7

Find $\frac{dy}{dx}$ of any three of the following functions:

$$(i) y = \sqrt{\frac{1+x}{1-x}} \quad (ii) y = \ln(x + \sqrt{1+x^2})$$

$$(iii) x^3 + y^3 - 3axy = 0 \quad (iv) x = \frac{3at}{1+t^2}, y = \frac{3at^2}{1+t^2}$$

Q.8

Evaluate any three of the following integrals:

$$(i) \int \frac{dx}{\sqrt{a^2 - x^2}}, \quad x \neq a \quad (ii) \int \frac{1 - \sin x}{1 + \cos x} dx$$

$$(iii) \int e^{ax} \sin(bx + c) dx \quad (iv) \int \frac{2x-3}{(x^2-1)(2x+3)} dx$$

Q.9

(a) Determine the extreme values of the function $f(x) = \frac{(x-2)(x-3)}{x^2}$.

(b) Find the area of the triangle whose vertices are A(-1, 3), B(2, 3), and C(2, 6).

(c) Find the equation of the circle containing the points (-1, -2) and (6, -1) and touches x-axis.

Q.10

(a) Find the equations of a straight line which is parallel and perpendicular to the straight line

$$2x - 3y = 9 \text{ and passing through the point } (4, -1).$$

(b) Find the equations of the tangent and normal of the following circle

$$x^2 + y^2 + 6x + 4y - 132 = 0 \text{ at } (6, 6).$$

***** THE END *****

11

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

COMPETITIVE EXAMINATION FOR THE SELECTION OF CANDIDATES
FOR B.SC FORESTRY COURSE-2014-16
AT PAKISTAN FOREST INSTITUTE PESHAWAR

PHYSICS

Wednesday the 13th August, 2014

Time: 02: 00 pm to 05: 00 pm

Max: marks: 200

NOTE: Attempt any SIX questions in all, selecting atleast THREE questions from each Section.
Question No:01 is compulsory which carries Thirty marks. Each of the remaining questions carries equal marks each.

QUESTION NO:

SECTION-I

- 01 Complete the following blanks with correct answers:
- (i) Dot product of force and distance gives _____.
 - (ii) Newton's first law of motion is also called the law of _____.
 - (iii) Fundamental source of electromagnetic wave is _____.
 - (iv) First law of thermodynamics is also called the law of _____.
 - (v) Transistor is basically used for _____ purpose.
 - (vi) Write energy equation of nuclear fission _____.
 - (vii) Net capacitance of parallel combination of two capacitors C_1 and C_2 is equal to _____.
 - (viii) The wave length of _____ is of the order of separation between two atoms in a solid crystal.
 - (ix) Degree per second is the unit of _____.
 - (x) A generator provides electrical energy by the principle of _____.
 - (xi) Einstein's mass and energy relation is _____.
 - (xii) The real gases obey gas Laws at high temperature and _____.
 - (xiii) The ratio of power output to power input in a transformer is called _____.
 - (xiv) Electric fan works on the principle of an electric _____.
 - (xv) The change of substance from solid to liquid state without rise of temperature is known as _____.
- 02
- (a) Distinguish between scalar and vector physical quantities and give example of each.
 - (b) How will you find that two vectors A and B are (i) parallel to each other (ii) perpendicular to each other.
 - (c) If $A = -2i + 3j - 4k$ and $B = 3i - 4j + 5k$, find out vector $C = A \times B$ and $D = A \cdot B$. Also find out magnitude of vector D.
 - (d) One of the rectangular component of force of 100N is 50N. Find the other component.
- 03
- (a) What is Friction? Discuss in detail about Static Friction, Kinetic Friction and Fluid Friction.
 - (b) A helicopter is ascending at a rate of 12 m/sec. At a height of 80 m above the ground, a package is dropped. How long does the package take to reach the ground.
 - (c) Write the differences between interference and Diffraction.

P.T.O.

(5)

- 04 (a) What is Conservative force? How is it related to Potential energy.
(b) What is the value of the gravitational acceleration at a distance of :
(i) Earth's radius above the earth's surface
(ii) Twice earth's radius above the earth's surface.
(c) What is the difference between mass and weight? What are density and specific gravity?
- 05 (a) What is Simple Harmonic Motion? Define its condition and characteristics
(b) A standing wave is established in a 120 cm long string fixed at both ends. The string vibrates in four segments when driven at 120 Hz
(i) Determine the wave length
(ii) What is the fundamental frequency?
(c) Write the difference between standing and progressive waves.

SECTION-II

- 06 (a) What are the different theories of light? Briefly discuss and compare them. Which theory is considered most appropriate today?
(b) Two convex lenses of equal focal length f are kept at a distance coaxially. A parallel beam of light incident on the first lens emerges from 2nd lens as a parallel beam. Find the distance between two lenses.
(c) A concave mirror has a focal length of f cm. An object is placed such that it forms a two fold magnified real image. What is the distance between the object and the image.
- 07 (a) (i) Explain what is the difference between a resistance R and resistivity p ? Give the relation between R and p .
(ii) What length of copper wire whose area is 0.1 mm^2 and resistivity $p = 1.7 \times 10^{-8} \Omega\text{m}$, is needed to provide a resistance of 3Ω ?
(b) (i) Find the power consumed by 240Ω light bulb when the current through it is 0.5 A .
(ii) A 200Ω and a 500Ω resistor are in series as part of a larger circuit. If the voltage across 200Ω resistor is 2 V , find the voltage across the 500Ω resistor.
(iii) A 20Ω resistor, a 40Ω resistor, and a 50Ω resistor are connected in parallel to a 60 V power source. Find the equivalent resistance of the set and the current in each resistor.
- 08 (a) What do you understand by radioactivity? Give an account of the properties of radiations emitted by radioactive substances.
(b) What are Isotopes? Explain the isotopes of hydrogen.
(c) What is Laser? Describe its principle.
09. Write notes on any 03 of the following:
- | | |
|---------------------------------------|-----------------------------------|
| (a) Electric resistance and Ohm's Law | (b) Electromagnetic waves. |
| (c) Ampere's Law | (d) Nuclear fission and fusion. |
| (e) Transistor as an amplifier | (f) Special theory of relativity. |

THE END

5

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

COMPETITIVE EXAMINATION FOR THE SELECTION OF CANDIDATES
FOR B.SC FORESTRY COURSE-2014-16
AT PAKISTAN FOREST INSTITUTE PESHAWAR

CHEMISTRY

Friday the 15th August, 2014

Time: 10: 00 am to 01: 00 pm

Max: marks: 200

NOTE: Attempt any 06 questions by selecting any 02 from each Section.
All questions carry equal marks.

QUESTION NO:

SECTION-I

- 01 How the ammonia is produced by Haber Bosh process. The hydrogen gas is an important component for the production of ammonia. Describe the synthic procedure for H₂ gas. Also describe the environmental aspects of use of ammonia.
- 02 (a) What is a solar cell? Describe the function of silicon in solar cell.
(b) Discuss the general group trends of IV-A group, compare the behavior of carbon and silicon.
- 03 What are Fertilizers? Why are they needed? Discuss the classification of fertilizers and their uses.

SECTION-II

- 04 Discuss the Critical state of gases and explain relevant terms, critical temperature, critical pressure and critical volume. Work out the mathematical relation between Vander Waals constants and critical constants.
- 05 (a) What is optical activity? How it is measured accurately? What is the importance of such measurements in Chemistry?
(b) Benzene has surface tension 28.9 dynes/cm at 20°C, its density at this temperature be 0.87901g cm⁻³ and molecular weight 78.11, calculate its parachor value.
- 06 Define and explain the following:
(i) Plane of symmetry (ii) Centre of symmetry (iii) Space lattice and unit cell
(iv) The law of constancy of interfacial angles.

SECTION-III

- 07 Define Alcohols, how they are prepared from
(i) Alkenes (ii) Alkyl halides (iii) Grignard's reagents.
- 08 (a) What are Aldehydes and ketones? How they are formed give their properties.
(b) What do you understand by reaction mechanism? Describe the important types of chemical reaction.
- 09 (a) Explain why benzene undergoes electrophilic substitution reaction whereas alkene undergo addition reactions.
(b) Discuss the synthetic applications of benzenediazonium chloride.

THE END

6

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

COMPETITIVE EXAMINATION FOR THE SELECTION OF CANDIDATES

FOR B.SC FORESTRY COURSE-2014-16

AT PAKISTAN FOREST INSTITUTE PESHAWAR

BIOLOGY

Friday the 15th August, 2014

Time: 03: 00 pm to 06: 00 pm

Max: marks: 200

NOTE: Attempt any FIVE questions. All questions carry equal marks.

QUESTION NO:

01 Define any 08 of the following:

- | | | |
|-----------------------------|-------------------|----------------|
| (i) Ethology | (ii) Heterotrophs | (iii) Tundra |
| (iv) Genetic Engineering | (v) Cortex | (vi) Megaspore |
| (vii) Phloem | (viii) Angiosperm | |
| (ix) Hyperosmotic regulator | (x) Immunity | |

- 02 What is a biological clock? How does it function and what is its primary usefulness in plants?
- 03 Explain why carbohydrates, fats, proteins, vitamins and minerals are all necessary to the good nutrition.
- 04 Compare the circulatory system of a fish, an amphibian and a mammal.
- 05 Is there any chance of O-group in children of family, where both parents have A-group blood? Prove it with the help of genetic cross.
- 06 What is tissue? Describe different types of permanent tissue found in young plants.
- 07 Explain the diagnostic characters and economic importance of family Fabaceae and draw labeled suitable diagram related with this family plant.
- 08 Draw the DNA structure and Explain the Gene? Describe the role of different types of RNA in Gene expression.

THE END

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

COMPETITIVE EXAMINATION FOR THE SELECTION OF CANDIDATES
FOR B.SC FORESTRY COURSE-2014-16
AT PAKISTAN FOREST INSTITUTE PESHAWAR

AGRICULTURE

Saturday the 16th August, 2014

Time: 10: 00 am to 01: 00 pm

Max: marks: 200

NOTE: Attempt any FIVE questions. All questions carry equal marks.

QUESTION NO:

- 01 Why forestry is an important component of agriculture? What is the contribution of this sector in the economy of Pakistan?
- 02 What are cropping patterns and systems? Please suggest effective cropping pattern under water shortage conditons of Sindh.
- 03 What is drought. Discuss drought hit areas of Sindh with rain-fed agriculture practices as remedy.
- 04 What do you understand by soil moisture conservation. Discuss Agronomic practices to conserve moisture for better crop production in dry areas of Sindh.
- 05 What is the role of biotechnology in agriculture? Differentiate between DNA and RNA
- 06 What is the green house effect? Describe the causes of greenhouse effect. How global warming can have a positive impact on Agriculture. Discuss.
- 07 Discuss in detail the post-harvest factors affecting the shelf life of perishable and non-perishable commodities.
- 08 Write short notes on any five of the following:
 - (i) Organic farming
 - (ii) Genetic engineering.
 - (iii) Mulching
 - (iv) Minimum Tillage
 - (v) IPM
 - (vi) Allelopathy
 - (vii) Mango die-back

THE END

PAPER TYPE: D
SINDH PUBLIC SERVICE COMMISSION, HYDERABAD
PRE INTERVIEW WRITTEN TEST FOR THE POST OF ASSISTANT DISTRICT PUBLIC
PROSECUTOR (BPS-17) IN LAW & CPSD DEPARTMENT, GOVERNMENT OF SINDH

Saturday the 21st December 2013
Time 10:00 A.M to 11:00 A.M

Maximum Marks: 100

QUESTIONS PAPER

General Instructions to the Candidates:

- 1) Candidates are to attempt all questions.
- 2) Write your Roll No, Name, Father Name & Centre on the Answers Sheet Within the space provided.
- 3) Do not write these data any where else on the Answer sheet. Doing so will render the candidates disqualified.
- 4) Follow instructions on the Answers sheet to marks your response correctly. Answers carefully by filling one of the appropriate blank cells provided in the Answers Sheet with black Blue ball pen only.
- 5) Each incorrect answer will result in deduction of half (1/2) marks.
- 5) Sign your answers sheet in space provided.
- 3) Return your Question paper & Answers Sheet after attempting the Question paper.

MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. QUESTION PAPER IS PART OF ANSWER SHEET FOR ASSESSMENT PURPOSE. NO CANDIDATES IS ALLOWED TO CARRY QUESTION PAPER/ ANSWER SHEET OUT OF THE EXAMINATION HALL.

01	Abetment of mutiny, if mutiny is committed in consequence thereof, shall be punished with: (a) Death (b) Imprisonment for life with fine (c) Imprisonment extendable to ten years (d) All of the above
02	Local law denotes (a) a law applicable only to a particular class to persons (b) A Law applicable to the entire country (c) A law applicable only to a particular part of territories comprised in Pakistan (d) none of the above
03	Local words "Court of Justice" denote: (a) the chamber of the Court (b) a judge or a body of Judges, which is empowered by the law to act judicially (c) a bench of judges, which is empowered by law to act judicially (d) None of the above
04	Whoever intending to take dishonestly any moveable property out of the possession of any person without that person's consent, moved the property in order to such taking, is said to commit: (a) robbery (b) extortion (c) theft (d) None of these
05	A court may alter or add to any charge before the pronouncement of a judgment under Section _____ of Cr. P.C. (a) 226 (b) 227 (c) 228 (d) 240
06	An accomplice means any person who is: (a) Complainant (b) Public officer (c) Police Officer (d) A Guilty associate or a partner in crime
07	Modes of judgment are explained in Section: (a) 364 of Cr. P.C. (b) 164 of Cr. P.C. (c) 337 of Cr. P.C. (d) 366 of Cr. P.C.
08	A warrant for execution of any sentence shall be issued by: (a) High Court (b) Session court (c) Judge or Magistrate who passed the sentence (d) Both (a) & (b)
09	The word "Injury" denotes any harm whatever illegally caused to person: (a) In body (b) Mind (c) Reputation or property (d) All above mentioned
10	When two or more persons, by fighting in a public place, disturb the public peace, they are said to: (a) Commit an affray (b) Create a public nuisance (c) Guilty of offence of being member of unlawful assembly (d) None of these
11	Qatl-i-amad not liable to Qisas: (a) If the offender is a close related of the victim (b) if the offender is a husband of the victim (c) When the offender is a minor or insane (d) All of the above
12	When an act is abetted and a different act is done, the abettor is liable: (a) For the act done (b) For nothing (c) For half of the punishment of the act done (d) According to discretion of court for any appropriate punishment
13	When the Court of Sessions passes sentence of death, the time period for filling the appeal before the High Court is: (a) 30 days (b) 07 days (c) 60 days (d) 90 days
14	The Session Judge may exercise the same powers of revision under Section _____ of the Cr. P.C., as are conferred on the High Court: (a) S.419 (b) S. 429 (c) S. 439 (d) S. 440
15	The period of imprisonment awarded in default of payment of fine shall not exceed: (a) Full imprisonment of the offence (b) Half imprisonment of the offence (c) One-Fourth of the imprisonment of the offence (d) None of the above
16	Right of a person, against whom proceedings are instituted to be defended and his competency to a witness is given under Section _____ of the Cr. P.C. (a) 339 (b) 340 (c) 343 (d) 341
17	Where the Magistrate does not proceed in accordance with the provisions of Section 349 of the Criminal Procedure Code, he shall, if he finds the accused the accused guilty: (a) Pass sentence upon him according to law (b) Not pass sentence upon him according to law (c) Refer the case to superior court (d) Shall proceed under Section 349 of the Cr. P.C.
18	What is Shajjah-e-khafifah ? (a) Without exposing bone of the victim (b) Exposing bone of the victim (c) Cut of the hand of the victim (d) None of these
19	In which cases Qisas for hurt shall not be enforced? (a) When the offender dies before execution of Qisas; (b) When the organ of the offender liable to Qisas is lost before the execution of Qisas; (c) Both (a) & (b) (d) None of the above

20	Which of the following is not covered under the definition of Pakistan coin as laid down in PPC: (a) Cowries (b) Lumps of unstamped copper (c) Medals (d) all of the above
21	Diyat means the compensation payable to the heirs to the victim as specified in: (a) Section 320 of PPC (b) Section 323 of PPC (c) Section 340 of PPC (d) Section 319 of PPC
22	Common intention is disclosed by: (a) The statement of the complainant (b) The facts disclosed in the evidence and surrounding circumstances of the case (c) The statement of the police officer (d) None of these
23	Moveable property includes: (a) Property to be auction with order of Court (b) property purchased against value (c) not permanently fastened to anything, which is attached to the earth (d) None of the above
24	Section _____ of Cr. P.C. delegates powers to a private person who is authorized to arrest any person who in this view commits a non-bailable and cognizable offence or who is proclaimed offender: (a) 29 (b) 39 (c) 49 (d) 59
25	In case of confirmation of death sentence by the High Court it must be signed by: (a) One judge (b) Two judges (c) Three Judges (d) Four Judges
26	Except as otherwise expressly provided by Cr. P.C., or any other law, no Court of Sessions shall take cognizance of any offence as a Court of original jurisdiction, unless case has been sent to it under Section _____ of Cr. P.C: (a) 195 (b) 190 (c) 177 (d) 170
27	Under which provision of the proceedings Code, police may seize property suspected to have been stolen: (a) S. 450 (b) S. 400 (c) S. 550 (d) None of the above
28	"A will" as defined by PPC, denotes (a) A document of property (b) Any testamentary of document. (c) An F.I.R (d) Letter of succession
29	What is Shajjah-e-Hashimah? (a) By fracturing the bone of the victim, without dislocating it (b) Injury on forehead (c) Cut of a hand (d) None of these
30	An allegation made orally or in writing to a Magistrate for an action against a person who has committed an offence excluding the report of police officer is known as: (a) FIR (First Information Report) (b) Statement of allegation (c) Complaint (d) None of the above
31	The value of Daman may be determined by the Court Keeping in view: (a) The expenses incurred on treatment of victim (b) Loss or disability caused in the functioning or power of any organs (c) The compensation for the anguish suffered by the victim (d) All of the above
32	A criminal conspiracy is an agreement between two or more persons to do or cause to be done: (a) An illegal act (b) A legal act by illegal means (c) Both of the above (d) None of the above
33	Whoever, knowingly aids or assists any state prisoner of war to escape, shall be punished with: (a) Imprisonment for life (b) Imprisonment extendable to ten years (c) Fine (d) All of the above
34	First information report of a cognizable offence can be lodged by: (a) The aggrieved person (b) The relative of the aggrieved (c) Any person having knowledge (d) None of the above
35	During the investigation of any case, the police may examine orally any person supposed to be acquainted with the facts of the case and may reduce into writing such statement under: (a) S. 161 Cr. P.C. (b) S. 162 Cr. P.C. (c) S. 154 Cr. P.C. (d) None of the above
36	For declaring any person as proclaimed offender under Section 87 of the Cr. P.C., the period required to appear at a specified place and time should not be less than: (a) 20 days (b) 30 days (c) 60 days (d) 90 days
37	Magistrate under Section 190 Cr. P.C., could take cognizance of any offence: (a) Upon a complaint (b) Upon a police report (c) Upon information received by himself (d) all of the above
38	Right of private defence of the body includes the defence of: (a) His own body (b) Any other person (c) His own body and of his close relative (d) His own body and the body of any other person
39	Which is the largest desert in the world. (a) Arabian (b) Australian (c) Sahara (d) Gobi
40	The longest river of the world is (a) Nile (b) Lena (c) Prarana (d) Congo
41	Which one is the largest Island in the world (a) Borneo (b) Great Britain (c) Victoria (d) Green Land
42	Which is the oldest forest of Pakistan (a) Changa Manga (b) Junpur (c) Chitral (d) Chichawatni
43	Which is the largest lake of the world (a) Lake Victoria (b) Superior lake (c) Red sea (d) Caspian sea
44	How many millimeters constitute 1 centimeter? (a) 11 Millimeters (b) 12 Millimeters (c) 10 Millimeters (d) 13 Millimeters
45	The oldest constructed barrage of Pakistan. (a) Jinnah Barrage (b) Sukkur Barrage (c) Tansa Barrage (d) Kotri Barrage
46	The oldest tv station of Pakistan located in the city of (a) Lahore (b) Karachi (c) Quetta (d) Rawalpindi
47	The first airline of Pakistan (a) Pak Airways (b) Orient Airline (c) PIA (d) Air Blue
48	Which planet is known as the evening star (a) Saturn (b) Venus (c) Jupiter (d) Mars
49	The planet nearest to the Earth is (a) Mercury (b) Jupiter (c) Venus (d) Pluto
50	On which planet are scientists hopeful of existence of some type of life? (a) Pluto (b) Saturn (c) Mars (d) Jupiter

PAPER TYPE: D

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

PRE-INTERVIEW WRITTEN TEST FOR THE POST OF MICRO FILMING OFFICER (BPS-16) IN REVENUE DEPARTMENT, GOVERNMENT OF SINDH

Thursday the 29th May, 2014

Time: 02:00 pm to 03:00 pm

QUESTION PAPER

Maximum marks: 100

General Instructions to the candidates:

- 01 Candidates are to attempt all questions.
- 02 Write your Roll No., Name, Father's Name & Centre on the Answer Sheet within the space provided.
- 03 Do not write these data anywhere else on the Answer sheet. Doing so will render the candidate disqualified.
- 04 Follow instructions on the Answer Sheet to mark your responses correctly. Answer carefully by filling one of the appropriate blank cells provided in the Answer Sheet with black or blue ball pen only.
- 05 Each incorrect answer will result in deduction of half (1/2) mark.
- 06 Sign your answer sheet in space provided
- 07 Return your Question paper & Answer Sheet after attempting the Question paper.

MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. QUESTION PAPER IS PART OF ANSWER SHEET FOR ASSESSMENT PURPOSE. NO CANDIDATE IS ALLOWED TO CARRY QUESTION PAPER/ANSWER SHEET OUT OF THE EXAMINATION HALL.

01	Induced emf in a transformer secondary depends upon ✓ (A) Frequency (B) Number of turns in secondary coil (C) Maximum flux in the core (D) All of these
02	When a magnet is heated ✓ (A) It gains magnetism (B) It loses magnetism (C) It neither loses nor gains magnetism (D) None of these
03	Asynchronous counters are known as ✓ (A) Ripple counter (B) Multiple clock counters (C) Decade counters (D) All of these
04	According to Shannon theorem, frequency or variation in the signal (F), for complete transfer of information of the system, the sampling rate must be? ✓ (A) 4F (B) 3F (C) F (D) 2F
05	Which system has tendency to oscillate? ✓ (A) Open loop system (B) Closed loop system (C) Both open loop as well as closed loop system (D) Neither open loop nor closed loop system
06	The audio frequency range is ✓ (A) 0.3-3 KHz (B) 20Hz-20KHz (C) 3-30KHz (D) 0-100Hz
07	A parallel circuit resonance magnifies (A) Current (B) Voltage (C) Power (D) Frequency
08	GaAs technology provides logic circuits having very high speeds of operation, with gate delays in the range of (A) 0.10 to 100 μ S (B) 0.10 to 100 nS (C) 10 to 100 mS (D) 10 to 100 Ps
09	The internal capacitances of MOSFET cause the gain of MOS amplifier to fall off at (A) High frequencies (B) Moderate frequencies (C) Low frequencies (D) All of these
10	Which of the following is not true about amplitude modulation (AM)? (A) The carrier amplitude varies (B) The carrier frequency remains constant (C) The carrier frequency varies (D) Information signal amplitude change carrier amplitude
11	Noise margin is expressed in _____ (A) Decibel (B) Volt (C) Watt (D) None of these
12	Quiescent stat of an amplifier implies (A) No input signal (B) Zero bias (C) No output (D) No distortion
13	Which of the distribution system is used for domestic leads? (A) 3 phase, 4-wire system (B) 1 phase, 2-wire system (C) 3 phase, 3 wire system (D) None of these
14	Which one of the following is not a valid rule of Boolean algebra? (A) $A+1=1$ (B) $AA=A$ (C) $A=A$ (D) $A+0=A$
15	Fuse wire is a wire of (A) High resistance and low melting point (B) High resistance and high melting point (C) Low resistance and low melting point (D) Low resistance and high melting point
16	To avoid heat damage to heat sensitive component soldering and their functioning, it is necessary to use (A) Fans (B) Heat sinks (C) Heaters (D) Nothing
17	Class A amplifier is preferred where (A) Main distortion is required (B) More gain is required (C) High power is needed (D) Oscillators to be improved
18	An ion in dielectric is a particle (A) Semi-conducting (B) Conducting (C) Insulating (D) Electron
19	An AM signal with a maximum modulating frequency of 4.5 KHz has a total bandwidth of (A) 9 KHz (B) 4.5 KHz (C) 12 KHz (D) 5 KHz

20	The total input force must be equal to the sum of individual forces acting on the system. This statement is called (A) Linearity theorem (B) Maximum power theorem (C) Superposition (D) None of these
21	The speed of light in a transmission line is ____ that in space (A) Smaller than (B) Greater than (C) Same as (D) No related to
22	A ceramic capacitor is marked 103, its value is (A) 0.01 μF (B) 103 μF (C) 10.3 μF (D) None of these
23	A power circuit that converts a fixed voltage and frequency AC to a variable voltage and frequency AC is called (A) Cycloconverter (B) Static switches (C) AC voltage controller (D) Uncontrolled Rectifier
24	The superposition theorem is used the circuit contains (A) A single voltage source (B) A number of voltage sources (C) Passive elements only (D) None of these
25	If wattmeter is normally phased and it indicates reverse reading, the current and voltage are (A) More than 90° out of phase (B) Less than 90° out of phase (C) Insufficient data (D) None of these
26	Harmonic distortion at higher power levels is (A) Lower (B) Higher (C) Determined by 3 point method (D) None of these
27	If the poles of control system are lying on imaginary axis in s-plane, system will be (A) Stable (B) Unstable (C) Conditionally stable (D) Marginally stable
28	A frequency of 25MHz has a wavelength of approximately (A) 12 m (B) 15 m (C) 10 m (D) 17 m
29	Which of the following is true (I) Sensor is used to sense the physical parameter (II) Transducer is used to convert energy from one form to another (A) Only I (B) Both I & II (C) Only II (D) None of these
30	The process of pre-distorting and un-distorting the signal before and after modulation respectively is called (A) Equalization (B) Emphasis (C) Companding (D) None of these
31	Darlington pair is used for (A) Voltage amplification (B) Power amplification (C) Current amplification (D) All of these
32	Transformer efficiency will be maximum at power factor of (A) 0.8 leading (B) 0.8 lagging (C) 0.9 lagging (D) Unity
33	Starter in tube-light is basically (A) Inductor (B) Resistor (C) Capacitor (D) Transformer
34	Early voltage can be obtained from the (A) Input characteristics (B) Bias point (C) Output Characteristics (D) Q-Point
35	For which of the following flip-flop the output is clearly defined for all combinations of two inputs? (A) D-flip-flop (B) R-S flip-flop (C) JK flip-flop (D) None of these
36	The co-efficient of coupling between the primary and secondary of a practical iron-cored transformer is about (A) 0.9 (B) 0.1 (C) 1.5 (D) 0.2
37	Band stop filter is known as (A) Frequency reject filter (B) Band reject filter (C) Both (A) and (B) (D) None of these
38	Most commonly used language for PLC programming is (A) STL (B) LAD (C) FBD (D) VHDL
39	The original electrical information signal to be transmitted is called the (A) Baseband signal (B) Carrier (C) Source signal (D) Broadband signal
40	The output of a 25 km fiber optic cable is measured at 0.005 mW. The fiber loss is 0.5 dB/km. What is the input power to the fiber? (A) 0.089 mW (B) 0.05 mW (C) 1 mW (D) 0.125 mW
41	Two electric bulbs rated for the same voltage have powers of 200 W and 100 W. if their resistances are respectively R_1 and R_2 . Then (A) $R_1 = R_2$ (B) $2 R_1 = R_2$ (C) $4 R_1 = R_2$ (D) $R_1 = 4 R_2$
42	The upper and lower side frequencies for 3 KHz audio modulation with a 27 MHz carrier will be (A) 30 and 24 MHz (B) 27.03 and 26.7 MHz (C) 27.03 and 26.97 MHz (D) 27.003 and 26.997 MHz
43	What will be the binary code of $(26)_{10}$ (A) 11101 (B) 11001 (C) 11010 (D) 10101
44	How many voice channels does the T1 carrier comprise of? (A) 100 (B) 24 (C) 36 (D) 48
45	If the electric field strength of 50V/cm is applied on positive charged holes. They drift in the direction of E (V/cm) and acquire drift velocity of 12.5cm/sec. The mobility of holes would be (A) $0.25\text{cm}^2/\text{V}$ (B) $0.3\text{cm}^2/\text{V}$ (C) $0.22\text{cm}^2/\text{V}$ (D) $4\text{cm}^2/\text{V}$
46	The law that indicates that refraction can't take place when the angle of incidence is too large, is known as (A) Moore's law (B) Faradays law (C) Snell's law (D) Maxwell's law
47	DC voltage across a 100Ω resistor is 50V the nominal power dissipated by resistor is 25W. Maximum percentage error is 16%. The actual power may be in range of (A) 21 and 29 watt (B) 84 and 116 watt (C) 42 and 58 watt (D) None of these
48	The picture carrier is always ____ above the low end of channel (A) 1.25MHz (B) 2MHz (C) 1MHz (D) 0.8MHz
49	Another name of relative permittivity is (A) Dielectric strength (B) Break down voltage (C) Specific inductive conductivity (D) Potential gradient
50	Which of the following are present in direct burial cables but not in aerial cables? (A) Strength members (B) Outer jacket (C) Fiber housing (D) Armor

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.
REVENUE QUALIFYING DEPARTMENTAL EXAMINATION
HELD IN NOVEMBER, 2004

Sindh Local Government ordinance 1979 , Registration Act, 1908 etc:(With Books)

Monday the 29th November, 2004

Time: 10.00 AM. to 1.30 P.M

Max marks: 100

=====

NOTE: Attempted any 08 questions. Question No: 4 is compulsory and carries 16 marks.
All other questions carry 12 marks each.

=====

QUESTION NO:

- 01 (a) 'A' has established Tannery within the Residential area which is prohibited under Sindh Local Government Ordinance, 1979 and 'B' abets 'A' in the Commission of above offence. Whether 'A' and 'B' are liable for committing the offence under the Ordinance? If so, state briefly the offences laid down under the above ordinance.
- (b) An stamp vendor intentionally neglects to set forth in the instrument facts and circumstances affecting the chargeability with duty the instrument he has prepared and also the amount of duty with which it is chargeable. The executant also intentionally fails to convey full and true facts on the above points. Peace state what action could be taken against the Stamp Vendor and the Executant? And how? Is there any outlet open for the offenders to avoid action? Quote provisions of law.
- 02 **State and explain in detail the procedure for removal of encroachments by Local Council, with particular reference about the Role of Revenue Officer in such matter.**
- 03 (a) State whether Sub-Registrar is competent to refuse registration of advancement? If yes, on what grounds? What procedure shall be followed by the Sub-Registrar, if the document is presented before him after 6 months for registration.
- (b) What will be the legal effect, if a document to be registered compulsorily is not registered?
- 04 An Instrument of sale of immovable property worth 2 lacs of rupees was presented by Kamdar/Munshi of 'A' who is Vendor of the property, before a Sub Registrar for registration. The Sub Registrar accepted the document from Kamdar 'A' becomes aware of the invalidity of document presented before Sub Registrar by his Kamdar. What course is open to 'A' to get the document legally registered? Is there any period of limitation provided for that?
- 05 **Describe the circumstances under which the court of wards can assume the Superintendence of property of a Land holder. Are there any special conditions under which court of wards is debarred from assuming Superintendence? If yes, what are they?**
- 06 Describe the key objects for the enactment/promulgation of Sindh Gothabad (Housing Scheme) Act, 1987 with its Salient Features.
- 07 Describe role of Collector under Sindh Gothabad (Housing Scheme) Act, 1987. Whether any exemption is allowed under the relevant law with regard to acquisition of private land for the purpose of Gothabad Housing Scheme? If yes, state.
- 08 (i) Can any application, appeal or Revision be admitted by the concerned Court/Authority after expiry of period of limitation prescribed therefor? If yes, under what provisions of law?
- (ii) State circumstances/Acts in which application of law of limitation wholly excluded.
- (iii) State law and the conditions governing condition of delay under limitation Act, 1908.

P.T.O

- 09 Write short note on any four of the following:
(i) Easement (ii) Chief Revenue Authority (iii) Major components of Local fund
(iv) Supercession of local council (v) Council (vi) Composition of councils
- 10 Explain in your own words the Purport/Implication of Section-29 of Limitation Act.
NOTE: No marks will be given, if the wording of Section 29 is reproduced in Answer.

Sindh Revenue Accounts Manual (Taluka and Village Manual) Standing orders of Revenue Department 1,5,9,10(Part-I), 19,24 (Without Books)

Max :marks: 100

QUESTION NO:

- 01 Write short notes on the following:
(a) Register of disputed cases.
(b) Bigoti
(c) Remokal fine
(d) Grand rent
(e) Bill of assessment.
(f) Haq-abo
- 02 Describe very briefly the terms record of rights "mutation".
- 03 Describe procedure/policy for disposal of land grants for agricultural and non barrage area with recent amendments as laid down in standing order No:10?
- 04 The Mukhtiarkar is responsible for the up keep of record of rights in his taluka. What are his detailed duties in this respect?
- 05 Define Taluka day book and what are the entries made in it?
- 06 Describe the procedure adopted by the tapedar in recording mutation of inheritance
- 07 What are the different kinds of deposits and in what forms they are maintained in Taluka?

又按此六字皆係以音轉字，其音與「六」同，故以「六」字代之。

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

REVENUE QUALIFYING DEPARTMENTAL EXAMINATION
HELD IN MAY 2004

The Sindh Civil Servants Act, 1973, The Sindh Civil Servants (Appointment, promotion & Transfer) Rules 1974 etc: (With Books)

Monday the 17th May 2004

Time: 10.00:A.M. to 1.00.P.M.

Max :marks: 100

QUESTION NO:	MARKS.
01 Describe the procedure formulated by Government for recruitment to the posts in BPS-1 to 15 in Sindh Government offices and other subordinate institutions.	20
02 What benefits are envisaged under the Rules for Govt: servants retired under Rule 13 (i) of Sindh Civil servants Act 1973?	20
03 Please offer your comments quoting Govt: Rules and orders in the following events:- (i) A Govt: servant's request for retirement was acceded to by the competent authority but subsequently he applied for its withdrawal. (ii) The appointing authority relaxed the qualification prescribed in the recruitment rules of a post. (iii) A Govt: servant availed of 30 days joining time in addition to 4 Sundays (iv) A Govt: servant on LPR has accepted the job in a private enterprise. (v) The competent authority acceded the request of retirement of a Govt: servant after completing of 20 years service.	10
04 Describe the different kinds of pension admissible to Govt: servants under the civil services rules.	10
05 (a) Please fix the pay on promotion of an officers drawing pay in BPS-18 at Rs:6183/- p.m. w.e.f 01/12/94 in the scale of Rs:5085-366-8745.-He was promoted to BPS-19 (7750-365-1.600) w.e.f. 24.4.2000. (b) Describe the procedure for effecting the recoveries of over-payments made to a Govt: servant through pay and allowances.	10 10
06 (a) What are the Rules formulated by the Govt: for maintaining the seniority of Govt: servants in their cadre/Grades? (b) What are limitations prescribed by the Govt: under the conduct rules for accepting gifts and Foreign awards by Govt: servants.	10 10

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD

PRE-INTERVIEW WRITTEN TEST FOR THE POST OF LECTURER ISLAMIC STUDIES BPS-17 IN EDUCATION & LITERACY DEPARTMENT, GOVERNMENT OF SINDH.

FOR USE OF CANDIDATE ONLY.

ROLL NO: _____

NAME _____

FATHER'S NAME _____

CENTRE: _____

SIGNATURE OF CANDIDATE : _____

TUESDAY THE 20TH OCTOBER, 2009.
TIME: 12.30 P.M TO 1.30 P.M.

Total marks: 100

QUESTION PAPER /ANSWER SHEET.

General Instructions.

1. Candidates are to attempt all questions.
2. Write your Roll No., Name, Father's Name & Centre on the Answer Sheet WITHIN THE SPACE PROVIDED.
3. DO NOT WRITE THESE DATA ANYWHERE ELSE ON THE ANSWER SHEET. DOING SO WILL RENDER THE CANDIDATE Disqualified.
4. Each question carries 02 marks. Each mistake made will result in deduction of 1 mark.
5. CIRCLE the appropriate box in the Answer Sheet with Blue or Black Ball point pen only.
6. SIGN YOUR ANSWER SHEET IN SPACE PROVIDED.
7. Return your Question paper /Answer sheet when you complete.

QUESTION NO:

ANSWER

QUESTION NO:	ANSWER
01 The day when Hazrat Israfil shall blow the trumpet and all human beings and living souls shall die, is called: (A) <u>يوم القيمة</u> (B) <u>يوم النعت</u> (C) <u>يوم قيامت</u>	A B C D
02 The book Bidayat-ul-Mujtahid is written by ----- <u>Ibn Rushd</u>	
03 The famous book 'The three Great Prophets of the world' is written by ----- <u>Rowland Atkinson Wain Ibn Rushd</u>	
04 The meaning of the word AL-HADID is :----- <u>Iron (Surah Al-Hadeed)</u>	
05 Kharijite, Qadarite, Jabarite, Mu'tazilite and Ash'arite movements are known as: -----	
06 The name of the mother of Hazrat Yousuf (A.S) is: (A) Mariam (B) Sarah (C) Hajrah (D) Raheel.	A B C D

FOR OFFICE USE ONLY

07	Spirit of Islam is the famous book of Sayyid <u>Amree Ali</u>				
08	The word Muhammad (P.B.U.H) as a name has been mentioned in Quran only: (A) Two time (B) Four time (C) Six time (D) None of these.	A	B	C	D
09	The following Surah carries the injunction for the utilization of Zakat. (A) Al-Nisa (B) Al-Noor (C) Al-Maida (D) Al-Tauba.	A	B	C	D
10	Fast literally means: (A) To hesitate (B) To stop (C) To prevent (D) All of these.	A	B	C	D
11	Prostration (سجدة) occurs in the Quran for: (A) 10 times (B) 20 times (C) 30 times (D) 14 times.	A	B	C	D
12	Hazrat Muhammad (P.B.U.H) gave the key of Baitullah permanently to Hazrat: (A) Umara bin Utba (R.A) (B) Usman bin Talha (R.A) (C) Abdullah bin Aamir (R.A) (D) Hanzla bin Abi Aamir (R.A)	A	B	C	D
13	In which Ghazwa did the Holy Prophet (P.B.U.H) give the good news of the conquest of Persia and Rome: (A) Badar (B) Khandaq (C) Uhud (D) Khyber.	A	B	C	D
14	Which city of Italy has been mentioned in the Quran? (A) Florence (B) Venus (C) Rome (D) Vatican.	A	B	C	D
15	Atleast how many persons constitute a congregation: (A) 02 (B) 03 (C) 05 (D) 08	A	B	C	D
16	Which Ghazwa is named as Furqan: (A) Badr (B) Uhud (C) Khyber (D) Ditch.	A	B	C	D

Signature of Addl: Supervisor -----

17	Who was the first muslim to interpret Quran in English in 1905? (A) Allama Iqbal (B) Shah Waliullah (C) Sir Syed Ahmed Khan (D) Dr.Khalifa Abdul Hakeem.	A	B	C	D
18	The grand Mosque of Damascus was built by: (A) Walid bin Abdul Malik (B) Yazid-II (C) Malik Shah (D) Sulaiman bin Abdul Malik	A	B	C	D
19	The year of Elephant (Amulfeel) is: (A) 522 (B) 570 (C) 569 (D) 572	A	B	C	D
20	The Apostasy Movement took place during the rule of: (A) Hazrat Umer (R.A) (B) Hazrat Ali (R.A) (C) Hazrat Usman (R.A) (D) Hazrat Abu Bakr Siddique (R.A)	A	B	C	D
21	The famous "Dome of the Rock" at Jerusalem was built by: (A) Marwan (B) Hisham (C) Abdul Malik (D) Hakam.	A	B	C	D
22	'Perfect Man' (al-insanal-Kamil) is written by: (A) Imam Hanbal (B) Imam Abu Hanifa (C) Imam Shaafi (D) Ibn'Arabi	A	B	C	D
23	Who gave the idea of 'Divine affirmation of God's Uniqueness' (Tauheed-i-Ilahi) (A) Noor uddin (B) Sultan Nasiruddin (C) Akbar (D) Shahabuddin Ayubi	A	B	C	D
24	How long Banu Hashim remained confined to Shib-e-Abee Talib? (A) 02 years (B) 03 years (C) 04 years (D) 05 years.	A	B	C	D
25	Who said that Zakat is treasure of Islam? (A) Rasool allah (P.B.U.H) (B) Hazrat Umar Farooque (R.A) (C) Imam Abu Hanifa (D) Imam Malik	A	B	C	D
26	Which verses of Holy Quran are called Sardar-ul-Ayat? (A) Surah Yasin (B) Ayat-ul-Kursi (C) Surah Fateh (D) Surah Baqrah	A	B	C	D
27	To which nation, Hazrat Saleh (A.S) was sent: (A) Bani Isriel (B) Thamud (C) Hameri (D) Syrian	A	B	C	D
28	By which name, Holy Quran calls believers of Hazrat Issa (A.S)? (A) Hawari (B) Followers (C) Companions (D) More shoulder by shoulder.	A	B	C	D
29	On Shab-i-Meraj in which cousin's sister, stay of Holy Prophet (P.B.U.H) was? (A) Um-i-Hanpint Abi Talib (B) Reeta bint Abi Talib (C) Rumana bint Hamaza (D) Humnana bint Abi Talib	A	B	C	D
30	Who was appointed as deputy in Medina on the occasion of Ghazwah Badr Sanni by Rasool allah (P.B.U.H)?	A	B	C	D
31	Khalifa Mamun founded an academy named: (A) Bait-ul-Hikmat (B) Al-Azhar (C) Bait-ul-Ulma (D) Darul - Ilm.	A	B	C	D
32	Name the Ghaziwa in which Hazrat Ali (R.A) was awarded the 'Zulfiqar': (A) Uhad (B) Badar (C) Ahzab (D) Khyber.	A	B	C	D
33	Hazrat Ali (R.A) did not participate in the battle of: (A) Badar (B) Uhad (C) Tabuk (D) Ahzab	A	B	C	D
34	Bibi Fizza was the maid-servant of: (A) Bibi Aisha(R.A) (B) Bibi Hafza (R.A) (C) Bibi Khadija (R.A) (D) Bibi Fatima Zehra (R.A)	A	B	C	D
35	In which prayer (Namaz) there is no Sajda: (A) Namaz-e-Ayat (B) Namaz-e-Ghufecla (C) Namaz-e-Janaza.	A	B	C	D
36	A Comet's tail becomes visible: (A) When its surface temperature rises on approach nearing Sun (B) When their velocity in orbit increases due to gravitational pull of Sun (C) Sunlight illuminates its tail which is always attached to its body. (D) When the position of tail is in the same plane of orbit near sun	A	B	C	D
37	Which planet is known as Earth's Twin: (A) Venus (B) Mars (C) Uranus (D) Neptune.	A	B	C	D
38	Seasonal contrasts are maximum at: (A) Low latitudes (B) Mid latitudes (C) Sub-tropics (D) High Latitudes	A	B	C	D
39	Nobel Prize for structure of D.N.A Molecule in 1954 was won by: (A) J.Strutt & Alan Heager (B) L.H. Hartwell & R.T. Hunt (C) A.G.Gillman & M.Rodbell (D) Watson & Crick	A	B	C	D

40	The study of the inter-relationship of plants and animals with each other and their environment is termed as: (A) Ecology (B) Morphology (C) Geology (D) Histology.	A	B	C	D
41	Pakistan's largest gold deposits are found at: (A) Koh-e-Sufaid (B) Dera Ghazi Khan (C) Saindak (D) Kala-Chitta	A	B	C	D
42	Largest Granite rock deposits in Pakistan are located in: (A) Chaghi mountains in Balochistan (B) Karunjhar hills in Sindh. (C) Fort Sandaman (D) Kunjrab	A	B	C	D
43	Lahore Resolution was introduced by: (A) Moulvi Fazlul Haq (B) Sir Agha Khan (C) Khan Liaqat Ali Khan (D) Quaid-e-Azam Muhammad Ali Jinnah	A	B	C	D
44	Chotiari water reservoir is located in which district of Sindh: (A) Khairpur (B) Umerkot (C) Sanghar (D) Sukkur	A	B	C	D
45	Which one of the following Muslim leaders was expelled from the Muslim League by the Quaid-e-Azam Muhammad Ali Jinnah: (A) Maulvi Tamizuddin (B) Fazlul Haq (C) Ghazanfar Ali (D) H.S. Suharwardi.	A	B	C	D
46	In which one of the underlined part of the following sentence there is a mistake: The <u>penguin chicks</u> cannot go into the water to get <u>themselves</u> own food until <u>they have</u> A B C <u>waterproof coats</u> of feathers like <u>their parents</u> . D	A	B	C	D
47	Pick the most appropriate meaning of the word "INCITE". (A) Arouse (B) Provoke (C) Instigate (D) To spur to action.	A	B	C	D
48	Give one word for the following expression: Final shape of the plan for making a machine or constructing a building.	A	B	C	D
49	Complete the following phrase: There are ----- between the cup and the lip				
50	Read the following passage and give the best heading from the four given below: Pakistan is a country with variety of land surface. On one side the lofty mountain ranges with peaks covered with snow throughout the year, while on the other side are world famous fertile plains, formed by soft and rich soil brought by rivers. Again there are regions where uneven and broken surface give strange appearance to the landscape. As such Pakistan is divided into five distinct regions. (A) Geography of Pakistan (B) Natural regions of Pakistan (C) Landscape of Pakistan (D) Distinct regions of Pakistan.	A	B	C	D

SINDH PUBLIC SERVICE COMMISSION, THANDI SARAK, HYDERABAD

APTITUDE TEST FOR RECRUITMENT TO THE POST OF A.S.Is.
(COMPUTER) IN SINDH POLICE.

Thursday the 25th March, 2004
Time: 11.00.A.M. to 12.30. P.M.

QUESTION PAPER

Max: marks.100

NOTE: GENERAL INSTRUCTIONS (READ CAREFULLY)

- 01 Answer all Questions on Answer Sheet provided.
- 02 Write your Roll Number, Name, Father's Name, Centre ~~on~~ on Answer sheet within Space provided.
- 03 SIGN YOUR ANSWER SHEET IN SPACE PROVIDED
- 04 Do NOT WRITE DATA IN 2 AND 3 ABOVE ANY WHERE ELSE ON ANSWER SHEET.
- 05 All Questions to be answered on Answer sheet only
- 06 Each Question(01 through 100) carry 01(One) mark each.
- 07 ½ mark will be deducted for incorrect answers in PART-I only PARTS-II TO VI, NO NEGATIVE MARKING
- 08 ☒ Only Tick the appropriate Box for Correct Answer. IN BLUE/BLACK BALL POINT.
- 09 Write your appropriate answer where Blank line (_____) is provided in the Answer sheet
- 10 Rough work on separate sheet
- 11 Return your answer sheet when you are asked to do so.

PART I - COMPUTERS

1. Identify the correct format of the "IF" function.	A) =IF(condition, result if true, result if false) B) =IF(condition, result if true, result if true) C) =IF(condition, result if false, result if true) D) =IF(condition, result if false, result if false)
2. Which character(s) can't be used in a condition of IF function?	A) <= B) >= C) <> D) !=
3. Which operator(s) can't be used for defining mathematical formula?	A) / B) * C) ^ D) !=
4. Which equation will correctly return the cumulative total of all values in a column of data.	A) =ADD (B1:B100) B) =TOTAL (B1:B100) C) =SUM (B1:B100) D) =CUMULATIVE (B1:B100)
5. What you need to access the Websites?	A) Computer C) Browser Software B) Email client software D) Connection with an Internet Service Provider
6. A floating point number represented in hardware does not have one of the following components:	A) decimal point E) mantissa C) characteristics D) sign
7. A utility that connects the components of a program together is called a(n)	A) editor C) linker B) loader D) assembler
8. _____ are pre-written formulas that perform calculation automatically.	A) Macros B) Function C) Formula D) Equation
9. _____ is an example of Primary Storage.	A) RAM/ROM B) Hard Disk C) Cache D) Diskette
10. _____ is a rectangular area containing docs, programs and messages.	A) Window C) Monitor B) Pages D) Web Page
11. _____ dialogue box also contains "Template" in its "Type List"	A) Save As B) Open C) Close D) Exit
12. _____ will be reached if "Home" key is pressed.	A) Left most cell B) Last cell of work sheet C) Right most cell D) First cell of work sheet

13. To copy the contents of Cell type _____ key.	A) Ctrl+C B) Alt+C	C) Ctrl+O D) Alt+O
14. To paste the copied contents of Cell type _____ key.	A) Ctrl+V B) Alt+V	C) Ctrl+P D) Alt+P
15. File extension for and Excel Workbook is _____	A) .XLS B) .EXL	C) .XEL D) None of the above
16. Microsoft Excel is a _____ type of software.	A) Accounting B) Spreadsheet	C) Graphical D) None of the above
17. In MS Excel Graphic representation of numbers is known as _____	A) Charts B) Graphs	C) Pictorial D) None of the above
18. A _____ refers to the file you create with Microsoft Excel.	A) Workbook B) Document	C) Sheet D) None of the above
19. The Combined cell column and row headings are known as the cell's _____	A) Cell B) Cell address	C) Cell Number D) None of the Above
20. The abbreviation URL refers to _____	A) Universal Resource Locator B) Unique Resource Locator C) Universal Resource Location D) None of the above	
21. The type of software that is used to access the websites is called _____	A) Internet Browser B) MSN	C) Website Browser D) None of the above
22. The range B4:D11 refers to _____ (number of) cells.	A) 24 B) 36	C) 18 D) 22
23. The WWW refers to _____	A) Word Wide Web B) World Wide Wait	C) Wide World Web D) None of the Above
24. The Correlation can be calculated in Excel using a _____ function.	A) Correl B) Correlation	C) Cor D) None of the Above
25. Two different Boolean expressions are said to be _____ if they have same truth table.	A) Equivalent B) Equal	C) Compatible D) None of the above
26. The ongoing phase of the software life cycle is _____	A) Maintenance B) Development	C) Testing D) Study
27. Final testing is done in _____ phase.	A) Testing B) Implementation	C) Development D) Maintenance
28. The storage unit which is larger than Gigabyte is _____	A) Megabyte B) Pitabyte	C) Gigabyte D) None of the Above
29. The storage unit which is larger than Gigabyte is exactly equal to _____ MB.	A) 1024 B) 256	C) 64 D) 8
30. The speed of RAM is of the order of _____ seconds.	A) Nano B) Mega	C) Micro D) None of the Above
31. The convention that a byte consists of 8 bits means that 1 byte can achieve as many as _____ states.	A) 512 B) 128	C) 64 D) 256
32. The _____ are high speed temporary storage areas of the micro processor.	A) Cache B) RAM	C) ROM D) Hard Disk
33. _____ is the physical component of the computer.	A) Hardware B) CPU	C) Hard Disk D) Micro Processor
34. A pictorial representation of a command or task that is used in a GUI is called _____	A) Icon B) Button	C) Graphics D) None of the Above
35. First high level language was _____ designed in 1954 at IBM under the direction of John Backus.	A) Fortran B) BASIC	C) PASCAL D) Visual Basic
36. High Level Languages generally characterize the _____ generation of computers.	A) First B) Second	C) Third D) Fourth
37. A(n) _____ software is used by the computer to manage its internal resources.	A) Operating System B) Application	C) Packages D) Microsoft Windows
38. _____ is the short to select the text in MS Word.	A) Ctrl+Shift+F8 B) Alt+Shift+F9	C) Ctrl+Alt+F8 D) Ctrl+Alt+F9
39. MS Word document can be protected by using _____	A) Protect Document B) Antivirus	C) Save As D) Option
40. _____ file type can not be edited in MS Word.	A) TXT B) INI	C) EXE D) BAK

41. Web pages can be saved in MS _____.	A) Word B) Excel	C) Access D) PowerPoint
42. MS _____ is used for presentations.	A) Word B) Excel	C) Access D) PowerPoint
43. In MS Word new short cut button can be added by using _____.	A) Customize B) Option	C) Tools D) Format
44. _____ key(s) is/are used for spell check in MS Word.	A) F3 B) F4	C) Alt+F7 D) F7
45. _____ data type is not supported in MS Access.	A) Date B) Number	C) Character D) Memo

PART II - ENGLISH

46. Give the PLURALS of _____.	A) Axis C) Crisis	B) Radius D) Criterion
47. Write the wrong word in these sentences _____.	A) Who did you meet? B) A wonderful prospect lays before the youth of today.	
48. Identify the words of opposite meaning by writing the appropriate NUMERAL on the blank line.	A) Abuse B) Short C) Censure D) Tainted	I. Protracted _____ II. Praise _____ III. Pure _____ IV. Praise _____
49. Match the CORRECT word that has the same meaning. Write appropriate NUMERAL on the blank line.	A) Tremble B) Taste C) Calm D) Candid	I. Serene _____ II. Sincere _____ III. Savour _____ IV. Shudder _____
50. Write the PAST TENSE _____.	A) Wake B) Give C) Commit D) Bid	
51. Identify the correct spelling by writing appropriate NUMERALS _____.	A) (I) Assessment B) (I) Relief C) (I) Recieve D) (I) Laisure	(II) Assesment (II) Releif (II) Receive (II) Liesure
52. Find the word ending with suffix _____ship that explains following (EG A ship propelled by steam is steamship)	A) An agreement that exists between persons engaged in business B) Skill of an expert worker	
53. Write female gender _____.	A) Sheep B) Waiter C) Dog D) Host	
54. Find the English word _____.	A) کچرا B) چار C) ہنسی D) ملکیت	
55. One who keeps books or is skilled in monetary matters.	A) Treasurer B) Accountant C) Banker D) Cashier	
56. A dealer in cloth or cloth goods	A) Draper B) Tailor C) Outfitter D) None of them	
57. Garment that is not well-fitted	A) Loose B) Lose C) Roal D) Career	
58. A part or character in a film or drama	A) Roll B) Role C) Roal D) Career	
59. A profession or occupation chosen as one's life work	A) Carrier B) Carreer C) Career D) Carier	
60. Fill in the blanks _____.	A) Ways and B) Ready and	

PART III - PAKISTAN KNOWLEDGE

61. Pakistan became ISLAMIC REPUBLIC OF PAKISTAN on _____.	A) 23 March 1956 B) 14 August 1947	C) 23 March 1940 D) 24 August 1955
62. Poet who wrote Pakistan's national anthem	A) Faiz Ahmad Faiz B) Allama Iqbal	C) Hafeez Jalandhari D) Ahmad Faraz
63. Sindh's first Governor after 14 August 1947	A) Mian Ameenuddin B) Sir Shah Nawaz Bhutto	C) Ayub Khuro D) Ghulam H. Hidayatullah
64. Mangla Dam is located in _____.	A) A.J. & K B) Northern Areas	C) Punjab D) NWFP
65. Pakistan's total area in Sq Km	A) 796,095 B) 796,905	C) 796,950 D) 796,590
66. First Martial Law was proclaimed in _____.	A) July 1977 B) Oct 1958	C) Oct 1956 D) Jul 1957
67. Who started Reshmi Roomal Movement	A) Ubaidullah Sindhi B) Maulana Mahmoodul Hasan	C) Sir Syed Ahmad Khan D) Khan A. Ghaffar Khan
68. Quaid-e-Azam presented 14 points in _____.	A) 1929 B) 1916	C) 1931 D) 1940
69. Actual name of Sukkur Barrage	A) Lloyd Barrage B) Ghulam Mohammad Barrage	C) Guddu Barrage D) Taunsa Barrage

70. Pakistan's Shortest and Longest Rivers	(B) Ravi & Indus	(C) Sutlej & Indus	(D) Beas & Indus
--	------------------	--------------------	------------------

PART IV - CURRENT AFFAIRS

71. Country that recently banned the use of head scarves by Muslim female students	(A) Germany	(B) Spain	(C) USA	(D) France
72. India recently signed an agreement for purchase of state-of-the-art Radar system with	(A) USA	(B) Israel	(C) UK	(D) Russia
73. On-going uprising in Kashmir started in	(A) 1989	(B) 1990	(C) 1988	(D) 1991
74. Early elections in India are due from	(A) 20 May	(B) 15 May	(C) 20 Apr	(D) 15 Apr
75. Who will challenge George Bush in elections later this year?	(A) El Gore	(B) George Tenet	(C) John Kerry	(D) Shakat Aziz
76. Pakistan's current Finance Minister	(A) Mahmooc Ali Kasuri	(B) Liaqat Jatoi	(C) Hafeezullah Shaikh	(D) London
77. Olympic 2004 will be held in	(A) Athens	(B) Beijing	(C) Munich	(D) London
78. SAARC games are due to start in Islamabad	(A) 29 April 2004	(B) 15 April 2004	(C) 27 March 2004	(D) 29 March 2004
79. Malaysia's sitting Prime Minister	(A) Dr Mahatir Mohammad	(B) Abdullah Badawi	(C) Dr Saleh Al-Sadlan	(D) None of the above
80. Latest train bombing took place in	(A) France	(B) Germany	(C) Spain	(D) Italy

PART V - GENERAL KNOWLEDGE & EVERYDAY SCIENCE

81. Airplane was invented by Wright Brothers in:	(A) 1905	(B) 1900	(C) 1909	(D) 1903
82. Longest and Shortest solar days in Northern Hemisphere fall on, respectively	(A) 21 June & 22 December	(B) 22 June & 22 December	(C) 23 June & 21 December	(D) 21 June & 21 December
83. Earth rotates round its axis	(A) Once in 24 hours from EAST to WEST	(B) Once in 24 hours from WEST to EAST	(C) Once in 365 days from WEST to EAST	(D) Once in 365 days from EAST to WEST
84. Which of the following denotes ONE BILLION	(A) 1,000,000	(B) 1,000,000,000	(C) 10,000,000	(D) 1,00,000,000
85. SAARC stands for	(A) South Asian Association for Regional Conference	(B) South Asian Association for Regional Collaboration	(C) South Asian Association for Regional Countries	(D) South Asian Association for Regional Co-operation
86. UN Headquarters are located in	(A) Washington	(B) New York	(C) Geneva	(D) London
87. WMD stands for	(A) Women for Mass Demonstration	(B) World Maritime Day	(C) Weapons of Mass Destruction	(D) World Muslim Day
88. Pakistan defeated India in Olympic Hockey Finals for the first time in	(A) Montreal in 1976	(B) Munich in 1972	(C) Rome in 1960	(D) Tokyo in 1964
89. Identify Pakistan's national game	(A) Cricket	(B) Hockey	(C) Kabaddi	(D) Squash
90. Who suggested the word PAKISTAN as name of our country	(A) Allama Mohammad Iqbal	(B) Ch Rehmat Iltahi	(C) Ch Khaliquz Zaman	(D) Maulvi Fazlul Haq

PART VI - ISLAMIAH

91. SURAH-E-TAUBA starts without Bismillah	(A) TRUE	(B) FALSE	(C) Hazrat Abdul Mutalib	(D) None of the Above
92. Name of Father of Holy Prophet Muhammad (PBUH)	(A) Hazrat Abu Talib	(B) Hazrat Abdullah	(C) Hazrat Umar (RA)	(D) Hazrat Umer (RA)
93. Identify the shortest & longest surah respectively as laid down in QURAN-e-PAK	(A) Surah-e-KAUSAR and Surah-e-BAQARAH	(B) Surah-e-KAUSAR and Surah-e-IMRAN	(C) Surah-e-AN'NAS and Surah-e-BAQARAH	(D) Surah-e-KAUSAR and Surah-e-RAHMAN
94. Who compiled the Quran Shareef in its present form	(A) Hazrat ALI (AS)	(B) Hazrat USMAN (RA)	(C) Hazrat UMER (RA)	(D) Hazrat ABU BAKR (RA)

95. Longest duration of Khilafat was that of	(A) Hazrat USMAN (RA) B) Hazrat ABU BAKR	C) Hazrat UMER (RA) D) Hazrat ALI (AS)
96. Hajj became compulsory in the Year	(A) 9 AH B) 5 AH	C) 2 AH D) 7 AH
97. Identify the SEVENTH month of Lunar calendar	A) Jamadi-ul-Awwal B) Shawwal	(C) Rajab-ul Murrabi D) Shabaan
98. The First Mosque on earth was	(A) Masjid-e-Nabawi B) Masjid-e-Aqsa	C) Masjid-e-Qiblatain D) Masjid-e-Nimra
99. Hazrat Ali embraced shahadat on	A) 19 Ramazan B) 17 Ramazan	C) 13 Rajab (D) 21 Ramazan
100. First women to accept Islam	(A) Hazrat Khadija B) Hazrat Aisha	C) Hazrat Anna D) None of the Above

Maximum = Shah-een III 2750 km

- ① Partial Test ban Treaty = 5 August 1963 - Moscow
- ② Comprehensive Test ban Treaty = 10 Sept, 1996 New York
- ③ Outer Space Treaty = 1967 = London, Moscow & Washington
- ④ Nuclear proliferation Treaty = 5 March 1970, New York
- ⑤ Sealed Arms Control Treaty = 11 Feb 1972,
- ⑥ Antarctic Treaty System = Dec 1, 1959, Washington DC
- ⑦ Comprehensive Test ban Treaty = 10 Sept 1996 New York
- ⑧ Biological weapon convention = 10 April 1972 = London,
- ⑨ Chemical weapons convention = 3 Sept 1992 = Paris & NY

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

COMBINED COMPETITIVE EXAMINATION, 2013

ENGLISH ESSAY.

Tuesday the 07th April, 2015
Time: 10:00 am to 12: 00 Noon

Maximum marks: 50

NOTE: Write an Essay on any One of the following topics:

- 01 Media's Liberalism: Advantages & Disadvantages.**
- 02 Higher you fly, harder you fall.**
- 03 Is capital punishment justifiable?**
- 04 Allah helps those who help themselves.**
- 05 Pakistan's role in war against terrorism: Problems & Prospects.**
- 06 Meaning and purpose of education.**
- 07 Can the use of nuclear energy be Justified?**

PAPER TYPE: A
Sindh Public Service Commission, Hyderabad.

**Pre-Interview Written Test for the post of Prosecuting Inspector BPS-16
under Mines & Mineral Development Department, Government of Sindh.**

Thursday the 15th October, 2015
Time: 01 :00 pm to 02 : 30 pm

Maximum marks: 100

QUESTION PAPER

General Instructions:

- 01 Candidates are to attempt all questions.
- 02 Write your Roll No, Name, Father's/Husband's Name & Centre on the Answer Sheet within the space provided.
- 03 Do not write these data anywhere else on the answer sheet. Doing so will render the candidate disqualified.
- 04 Follow instructions on the Answer sheet to mark your response correctly. Answer carefully by filling one of the appropriate blank cells provided in the Answers Sheet with Black or Blue ball pen only.
- 05 Sign your answer sheet in space provided above.
- 06 Return both your Question paper and Answer sheet after the exams.

Most Important: Any Candidate found in possession of mobile phone or any similar device in the examination hall will be expelled from the Examination Hall. Question paper is part of answer sheet for assessment purpose. No candidate is allowed to carry question paper / answer sheet out of the examination hall.

01	"In lieu" indicates: (A) Original (B) In place of (C) Without evidence (D) None of these.
02	A decree may be executed by the court: (A) Which sends it for execution (B) Which passed it (C) Both A & B (D) None of these.
03	During the British era first time the Mines Act was enacted in: (A) 1925 (B) 1923 (C) 1935 (D) None of these.
04	"Jurisdiction", in company matters is to be exercised by: (A) Any Judge of High Court (B) Civil Court (C) Company Bench of the High Court (D) None of these.
05	"Amicus Curiae", means: (A) Advocate of the respondent (B) An Advocate asked by the court to assist the case voluntarily (C) Advocate General (D) None of these.
06	The offence of "Wrongful restraint" is defined in: (A) 353 (B) 339 (C) 332 (D) None of these.
07	"Alimony," implies to: (A) Property given to a daughter by her parents (B) Share of property given by brothers to a sister (C) The maintenance given by a husband (D) None of these.
08	"Vox populi", suggests: (A) Voice of the People (B) Noise (C) High musical sound (D) None of these.
09	Interim order is: (A) Final Order (B) Internal Order (C) Any Order of court before its final order (D) None of these.
10	"Prima facie" is: (A) Evidence (B) False picture (C) Evidence good and sufficient on its face (D) None of these.
11	The Land Acquisition (Mines), Act of India was enacted in: (A) 1865 (B) 1885 (C) 1916 (D) None of these.
12	Sindh Mining Concession Rules were enacted in : (A) 2005 (B) 2002 (C) 1988 (D) None of these.
13	Muslim Family Law Ordinance was enacted in: (A) 1961 (B) 1959 (C) 1960 (D) None of these.
14	The Police Act was enacted in: (A) 1935 (B) 1934 (C) 1939 (D) None of these.
15	"Doctrine of estoppels" is derived from: (A) German Law (B) English Law (C) French Law (D) None of these.
16	"Prevention of Corruption Act" in Pakistan was promulgated in: (A) 1947 (B) 1949 (C) 1935 (D) None of these
17	Sindh Enquiries " Anti-corruption Act was enacted in: (A) 1991 (B) 1993 (C) 1968 (D) None of these.
18	NAB Ordinance was enacted in: (A) 2001 (B) 1999 (C) 2000 (D) None of these.
19	The Government of India Act, 1935 was originally passed in: (A) March, 1935 (B) November, 1935 (C) August, 1935 (D) None of these.

20	The Constitution of Pakistan 1956 was promulgated on: (A) 14-08-1956 (B) 23-03-1965 (C) 01-05-1956 (D) None of these.
21	Objective Resolution was passed in: (A) October, 1949 (B) March, 1949 (C) April, 1948 (D) None of these.
22	"INTERPOL", is: (A) UN Armed force (B) International Police (C) UN Peace Keepers (D) None of these.
23	Power to suspend or remit sentences is dealt under Section: (A) 400 CrPC (B) 401 CrPC (C) 402 CrPC (D) 403 CrPC
24	Section 514 of CrPC deals with: (A) Deposit of money instead of surety (B) Procedure on forfeiture of bond (C) Procedure in case of solvency or death of surety or when a bond is forfeited (D) Bond required from a minor
25	A Magistrate is competent to release the accused without recording evidence and making an order of acquittal, conviction or discharge under Section: (A) 204 CrPC (B) 248 CrPC (C) 249 CrPC (D) 249-A CrPC
26	The property of absconder accused is attached under Section: (A) 87 CrPC (B) 88 CrPC (C) 512 CrPC (D) 514 CrPC
27	Powers of a Magistrate to reject sureties comes under Section: (A) 120 CrPC (B) 121 CrPC (C) 122 CrPC (D) 124 CrPC
28	Disposition of medical witnesses and power to summon medical witnesses comes under Section: (A) 508 CrPC (B) 508-A CrPC (C) 509 CrPC (D) 510 CrPC
29	Where an evidence is partly recorded by one presiding Officer and partly by another, the procedure the conviction is given under Section: (A) 350 CrPC (B) 350(1) CrPC (C) 350(2)(3) CrPC (D) All of these.
30	The Section which states that the persons once convicted or acquitted are not to be tried for the same offence: (A) 401 CrPC (B) 402 CrPC (C) 403 CrPC (D) 404 CrPC
31	The Revision Jurisdiction in Criminal matters lies with: (A) Session Court (B) High Court (C) Supreme Court (D) Federal Shariat Court.
32	The direction in the nature of "Habeas Corpus" is issued by the : (A) Magistrate (B) Sessions Court (C) High Court (D) Supreme court
33	A Criminal Charge is framed against the accused: (A) At the Start of Trail (B) During Enquiry (C) During investigation (D) During Statement of Accused.
34	According to Section 371 of CrPC, the copy of the Judgment shall be given to Accused for: (A) One Hundred Rupees (B) Free of Cost (C) Ten Rupees (D) Fifty Rupees
35	Arrest of Accused in Appeal from acquittal pending before High Court is dealt under Section: (A) 424 CrPC (B) 421 CrPC (C) 426 CrPC (D) 427 CrPC
36	Section _____ of CrPC confers upon an Officer In-Charge of a Police Station to arrest vagabonds, Habitual Robbers, etc. (A) 54 (B) 51 (C) 56 (D) 55
37	Section ____ of CrPC authorizes/empowers a District Magistrate or Sub Divisional Magistrate to prohibit repetition or continuance Public nuisance: (A) 133 (B) 151 (C) 134 (D) 161
38	_____ Section of CrPC deals with the "Information in Non-Cognizable Cases" : (A) 100 (B) 155 (C) 156 (D) 135
39	Under Section 4(h) of the Criminal Procedure Code, the complaint is to be made to the: (A) Civil Judge (B) Magistrate (C) Police Officer (D) Sessions Court.
40	The plea of Alibi is a question of: (A) Appreciation of Evidence (B) Decision by Court (C) Investigation by Police (D) Arrest of Accused.
41	According to which Section of Criminal Procedure Code, evidence is to be taken in presence of accused: (A) 401 (B) 341 (C) 340 (D) 353
42	A formal charge framed against the accused under Section 221 of CrPC containing the : (A) Contents of FIR (B) A burden of claim (C) Investigation steps of Police (D) Action of Judge after Challan.
43	The Public Prosecutor works on: (A) Original Criminal Jurisdiction (B) Original Civil Jurisdiction (C) Appellate Jurisdiction (D) Writ Jurisdiction.
44	A Police Officer has the authority to prevent injury to public property under Section: (A) 151 CrPC (B) 155 CrPC (C) 153 CrPC (D) 152 CrPC
45	Section _____ of Criminal Procedure Code is related to the duties of Police to inquire on suicide etc: (A) 177 (B) 174 (C) 161 (D) 171

46	A person accused of Non-Bailable offence is arrested or detained without warrant, such person shall be released on Bail under Section: (A) 496 CrPC (B) 498 CrPC (C) 494 CrPC (D) 493 CrPC
47	Public Servant is defined under: (A) Pakistan Penal Code (B) Criminal Procedure Code (C) General Clauses Act (D) Civil Procedure Code
48	The compensation provided under Section 323 PPC, payable to the legal heirs is called: (A) Qisas (B) Diyat (C) Daman (D) Arsh.
49	Anyone guilty of sale of adulterated drug shall be punished with: (A) Imprisonment extendable to six months (B) Fine extendable to three thousand rupees (C) Both A & B (D) All of these.
50	The word "Fraudulently" defined in Section ____ of PPC : (A) 83 (B) 25 (C) 25 (D) All of these
51	Qatl e Amad is punishable under Section: (A) 318 PPC (B) 319 PPC (C) 302 PPC (D) 303 PPC
52	The Right of Private Defence of person and property is provided under: (A) Arms Ordinances (B) Criminal Procedure Code (C) Pakistan Penal Code (D) Civil Procedure Code.
53	Criminal Breach of Trust has been defined in Section: (A) 404 PPC (B) 405 PPC (C) 406 PPC (D) 407 PPC
54	Criminal Trespass is defined in Section: (A) 440 PPC (B) 441 PPC (C) 442 PPC (D) 443 PPC
55	A person shall not be competent to testify if has been convicted by a court for: (A) Perjury (B) Giving false evidence (C) Bad character (D) Both A & B
56	A Confession is considered irrelevant by a court in Criminal Proceedings if it is made: (A) If it is made due to inducement (B) Due to Threat (C) Due to any promise to the confessor's interest (D) All of these.
57	Judges may be removed by: (A) Federal Shariat Court (B) High court (C) Supreme Court (D) Supreme Judicial Council
58	Ocular account of evidence comes from: (A) Eye Witness (B) Chance Witness (C) Hostile Witness (D) Hearsay Witness.
59	The question of good character or bad character of witness is applicable in: (A) Civil Suit (B) Criminal Matter (C) Family Matter (D) Rent Matter.
60	Under Article 46 of Qanoon-e-Shahadat Order 1984 the cases in which statement of relevant fact by person who is dead or cannot be found etc: (A) Irrelevant (B) Relevant (C) Partly (D) All of these.
61	The elements must for "Good faith" are: (A) Due care and attention (B) Intention and motive (C) Due care and intention (D) Motive and attention.
62	The elements which constitute theft according to Section 378 of PPC are: (A) Intentions and Motive (B) Intention and Dishonesty (C) Malice and Motive (D) Consent and Dishonesty.
63	The Criminal Procedure Code divides offenses in ____ kinds. (A) 2 (B) 3 (C) 4 (D) 5
64	The form of FIR contains: (A) 4 columns (B) 5 columns (C) 6 columns (D) 7 columns
65	Pakistan Penal Code was passed on: (A) 7 th April, 1860 (B) 6 th October, 1860 (C) 7 th October, 1860 (D) None of these
66	If there is no wali of deceased then the Government will be wali as provided in: (A) Section 306, P.P.C. (B) Section 305, P.P.C. (C) Section 304, P.P.C. (D) None of these.
67	An accomplice shall be competent as witness against an accused except in cases of: (A) Tazir (B) Felony (C) Qisas and Hadd (D) Mischief.
68	Time limitation for appeal under the Code of Criminal Procedure, 1898 from a sentence of death passed by the Court of Session or by a High Court in its original jurisdiction: (A) Three days (B) Seven days (C) Fourteen days (D) Thirty days.
69	The limitation for filing appeal against the judgment acquittal by the Government: (A) 30 days (B) 90 days (C) 60 days (D) None of these.
70	Under Section 46 Cr.PC ____ of body is sufficient for arrest. (A) Capturing (B) Touching (C) Holding (D) None of these.
71	Section ____, deals with Security for good behaviour from habitual offenders. (A) 107 Cr.PC. (B) 110 Cr.PC (C) 152 Cr.PC (D) 187 Cr.PC.
72	Kidnapping includes: (A) Kidnapping from Pakistan (B) Kidnapping from lawful guardianship (C) Kidnapping from Pakistan and from lawful guardianship (D) None of these.

73	The term "Mens rea" means: (A) Constructive (B) Common (C) Actual (D) Fundamental.
74	Admission is used in _____ kind of cases. (A) Civil (B) Criminal (C) None of these (D) Family.
75	An appeal against the order of acquittal passed by the Magistrate of first Class Court is to be filed before: (A) High Court (B) District & Sessions Judge Court (C) Supreme Court of Pakistan (D) Before the Assistant Sessions Judge Court.
76	IBM stands for: (A) International Big Machines (B) International Business Machines (C) Interrelated business machines (D) None of these.
77	All India Muslim League founded in: (A) 1905 (B) 1906 (C) 1904 (D) None of these.
78	The real name of Shah Waliullah was: (A) Qutabuddin Ahmed (B) Nizam-u-din Ahmed (C) Naeem-ud-din Ahmed Syed (D) None of these.
79	"Mirani", dam exist in: (A) Punjab (B) Sindh (C) Baluchistan (D) None of these.
80	Which from the following countries does not yield veto-power? (A) USA (B) Canada (C) United Kingdom (D) China
81	The largest ocean of the world is: (A) Atlantic (B) Indian (C) Pacific (D) None of these.
82	The world's highest mountain is in: (A) Pakistan (B) Nepal (C) India (D) China.
83	There are _____ members of SAARC: (A) 8 (B) 7 (C) 5 (D) 6
84	The International Court of Justice is Located in: (A) New York (B) Washington (C) Geneva (D) The Hague.
85	First Space satellite was launched by Pakistan in the year: (A) 1993 (B) 1992 (C) 1995 (D) 1990
86	Who was the first recipient of Nishan-e-Haider? (A) Raja Muhammad Sarwer (B) Major Aziz Bhatti (C) Major Tufail Muhammad (D) Rahsid Minhas
87	The first Nuclear Power Plant in Pakistan was established at: (A) Chahgi (B) Khushab (C) Chashma (D) Karachi.
88	The largest producer of Rice is: (A) Thailand (B) Pakistan (C) India (D) China.
89	Which mountain range is located in Sindh Province? (A) Himalaya (B) Karakoram Range (C) Kirthar Range (D) Salt Range.
90	What is the total area of Sindh Province? (A) 74,521 sq km (B) 140,914 sq km (C) 347,190 sq km (D) 205,344 sq km
91	The earliest mosque in Sub-continent is situated in: (A) Jacobabad (B) Sukkur (C) Rohri (D) Banbhore
92	The First Chief Justice of Pakistan is: (A) Abdur Rashid (B) Salim Uszaman Siddique (C) Sajjad Ali Shah (D) Irshad Hassan Khan
93	The speed of light with the rise in the temperature of the medium: (A) Increases (B) Decreases (C) Remains unaltered (D) Drops sharply
94	Which Radio Station already existed at the time of creation of Pakistan: (A) Peshawar (B) Karachi (C) Quetta (D) None of these.
95	The predominantly responsible for global warming is: (A) Carbon dioxide (B) Carbon monoxide (C) Nitrous oxide (D) Nitrogen peroxide
96	26 th January is India's: (A) Independence Day (B) Republic Day (C) Revolution Day (D) Parliament Day.
97	Electric current is measured by: (A) Voltmeter (B) Anemometer (C) Commutator (D) Ammeter.
98	The dynamo is a device for converting: (A) Heat energy into electrical energy (B) Mechanical energy into electrical energy (C) Magnetic energy into electrical energy (D) None of these.
99	Galvanized Iron sheets have a coating of: (A) Tin (B) Lead (C) Zinc (D) Chromium
100	The hardest substance available on earth is: (A) Platinum (B) Diamond (C) Quartz (D) Gold.

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

**PRE-INTERVIEW WRITTEN TEST FOR THE POST OF ASSISTANT
SUB-INSPECTOR (ASI) (BPS-09) UNDER SINDH POLICE
DEPARTMENT, GOVERNMENT OF SINDH**

Tuesday the 13th May, 2014.
11:30 am to 12:30 pm.

Max marks: 100

ESSAY IN SINDHI / URDU

SINDHI VERSION

هيٺ ڏنل عنوانن مان ڪنهن به هڪ تي مضمون لکو.

- 01 محنت جي عظمت
- 02 حب الوطني
- 03 سچل سرمست
- 04 سنڌ جي ثقافت
- 05 ڪتاب هڪ بهترين دوست آهي
- 06 اتفاق ۾ برڪت آهي

URDU VERSION

مندرجه ذيل عنوانات مان ڪنهن به هڪ تي مضمون لکي

- 01 محنت کي عظمت۔
- 02 حب الوطني۔
- 03 سچل سرمست۔
- 04 سنڌ جي ثقافت۔
- 05 ڪتاب ايڪ بهترين دوست ۽۔
- 06 اتفاق مان برڪت ۽۔

THE END

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

**PRE-INTERVIEW WRITTEN TEST FOR THE POST OF ASSISTANT
SUB-INSPECTOR (ASI) (BPS-09) UNDER SINDH POLICE
DEPARTMENT, GOVERNMENT OF SINDH**

Tuesday the 13th May, 2014.
10:00 am to 11:00 am.

Max marks: 100

ENGLISH ESSAY

Write an Essay of not more than 150 words on any one of the following topics

- 01 Global warming
- 02 Patriotism
- 03 Poverty
- 04 Un employment
- 05 Co-education
- 06 Importance of English

THE END

SERIAL NO: 6734

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD

PRE-INTERVIEW WRITTEN TEST FOR THE POST OF LECTURER COMMERCE BPS-17 IN EDUCATION & LITERACY DEPARTMENT, GOVERNMENT OF SINDH.

Signature of Addl: Supervisor _____

FOR USE OF CANDIDATE ONLY.

ROLL NO: _____

NAME _____

FATHER'S NAME _____

CENTRE: _____

SIGNATURE OF CANDIDATE _____

THURSDAY THE 27TH OCTOBER, 2009.

TIME: 10.00 A.M TO 11.00 A.M.

Total marks: 100

QUESTION PAPER /ANSWER SHEET.

General Instructions.

1. Candidates are to attempt all questions. Each question carries 02 marks.
2. Write your Roll No. Name, Father's Name & Centre on the Answer Sheet **WITHIN THE SPACE PROVIDED**
3. **DO NOT WRITE THESE DATA ANYWHERE ELSE ON THE ANSWER SHEET. DOING SO WILL RENDER THE CANDIDATE Disqualified.**
4. Each mistake made will result in deduction of 1 mark.
5. **CIRCLE** the appropriate box in the Answer Sheet with Blue or Black Ball point pen only.
6. **SIGN YOUR ANSWER SHEET IN SPACE PROVIDED.**
7. Return your Question Paper /Answer sheet when you complete.

QUESTION NO:		ANSWER			
01	The process by which companies create value for customers and build strong customer relationships in order to capture value from customers in return: (A) Business (B) Marketing (C) Advertising (D) Market	A	B	C	D
02	The systematic design, collection, analysis and reporting of data relevant to specific marketing situations facing an organization is: (A) Marketing Information (B) Marketing Research (C) Marketing Analysis (D) Marketing Strategy	A	B	C	D
03	It is a management function that helps manager recruit, select, train and develop members for an organization: (A) Management (B) Marketing (C) Human Resource Management (D) Financial Management	A	B	C	D

FOR OFFICE USE ONLY

04	A letter of credit is opened on behalf of: (A) An exporter (B) An importer (C) A buying agent (D) A bank	A	B	C	D
05	A voluntarily organization of workers or employees formed to promote and protect their interest: (A) Safety rules (B) Association (C) Unions (D) Committee	A	B	C	D
06	Under the diminishing balance method depreciation is calculated on: (A) Original cost (B) Written down value (C) The scrap value	A	B	C	D
07	An expenditure is a revenue expenditure because: (A) It is intended to benefit the current period (B) The amount involved is small (C) It is deducted from the gross sale proceeds.	A	B	C	D
08	Discount on issue of shares account being loss of: (A) Capital (B) Revenue (C) Expenditure	A	B	C	D
09	An indent means: (A) A list of forwarding agents (B) An order containing terms of trade (C) List of suppliers	A	B	C	D
10	The net profit ratio is calculated by which of the following formulas: (A) $\frac{\text{Net profit}}{\text{Total sales}} \times 10$ (B) $\frac{\text{Net profit}}{\text{Total sales} - \text{sales return}} \times 100$ (C) $\frac{\text{Net Profit}}{\text{Capital employed}} \times 10$	A	B	C	D

Signature of Supervisor -----

11	Span of management means: (A) A good organization should consist of Departments (B) Authority of each person must be clearly defined (C) Each subordinate should have one superior (D) A manager can supervise a limited number of executives.	A	B	C	D
12	X, Y and Z are partners in the ratio of 1/2 : 2/5 : 1/10, what will be new ratio of the remaining partners if X retires: (A) 2 : 1 (B) 4 : 1 (C) 5 : 1 (D) 3 : 1	A	B	C	D
13	When shares are forfeited, the share capital account is debited with the: (A) Nominal value of shares (B) Paid up value of shares (C) Called value of shares.	A	B	C	D
14	The immediate solvent ratio is: (A) Quick ratio (B) Current ratio (C) Stock turns over ratio (D) Debtors turn over ratio	A	B	C	D
15	Assets of a business are Rs:4120 and liabilities Rs:4120. What is amount of owner's equity? (A) Rs:21315 (B) Rs:25435 (C) 25435 (D) Rs:4120	A	B	C	D
16	When sale is Rs:480000, gross loss is 25% on cost, purchase is Rs:350000 and closing stock is Rs:60000, the opening stock will be: (A) Rs:70000 (B) Rs:80000 (C) 134000 (D) Rs:350000	A	B	C	D
17	What is the amount of purchase when cost of goods sold 22000 Opening Stock 35000 Closing Stock 15000 (A) Rs:20000 (B) Rs:25000 (C) Rs:27000 (D) 17000	A	B	C	D
18	Liquidity deals with: (A) Return on equity (B) Conversion in to cash (C) Short term credit (D) Long term credit	A	B	C	D
19	The amount of shares received by the company is shown under the heading ----- in the company's balance sheet.				
20	Gross profit - opening stock = -----				
21	An expenditure benefiting the current year is ----- expenditure.				
22	Total amount of depreciation to be written off over the life of an asset is equal to the cost of the asset less its -----				
23	Stock exchange deals with the: (A) Second hand securities (B) Issue of equity shares (C) Issue of preference shares (D) Issue of debentures	A	B	C	D
24	Line organization is also known as: (A) Formal organization (B) Informal organization (C) Functional organization (D) Military organization	A	B	C	D
25	In case of liquidation of a company, which of the following is repayable in the last? (A) Equity capital (B) Preference capital (C) Debentures (D) Public deposits.	A	B	C	D
26	Which one of the following is the registered capital of the company? (A) Paid up capital (B) Issued capital (C) Authorized capital (D) Reserve capital	A	B	C	D
27	Bank overdraft is a good source of finance for: (A) Short terms (B) Medium term (C) Long term (D) Any of these.	A	B	C	D
28	Liquid assets include: (A) Only cash (B) Cash and debtors (C) Cash debtors except bad debts (D) Cash, except bad debts and marketable securities.	A	B	C	D
29	The market value of a firm is: (A) The higher of its liquidation or book value (B) Its going - concern value (C) The higher of its book or going concern value (D) The higher of its liquidation or going concern value.	A	B	C	D
30	Short term creditors would be most interested in firm's: (A) Liquidity ratios (B) Profitability ratios (C) Debt ratio (D) Coverage ratios	A	B	C	D

31	Who has been titled as "Saifullah"? (A) Hazrat Ali (R.A) (B) Hazrat Khalid Bin Waleed (R.A) (C) Abu Ubedah (R.A) (D) Hazrat Umar (R.A)	A	B	C	D
32	Evolution of human species occurred in: (A) Asia (B) Africa (C) Europe (D) None of these.	A	B	C	D
33	Who was the viceroy at the time of partition of Bengal? (A) Lord Curzon (B) Lord Canning (C) Lord Minto (D) Lord Hardinge.	A	B	C	D
34	Queen of Sheba ((Saba) was contemporary of Prophet: (A) David (Daud) (A.S) (B) Moses (Mosa) (A.S) (C) Solomon (Suleman) (A.S) (D) Hazrat Haroon (A.S)	A	B	C	D
35	The highest above sea level Rawat station in Pakistan is: (A) Quetta (B) Coalpur (C) Mandi Kotal (D) Peshawar.	A	B	C	D
36	Pick out the most correct meaning of the word "PARAMOUR": (A) Taste (B) Island (C) Illusion (D) Atheist	A	B	C	D
37	Pick the word or set of words which best reflects the sentence's overall meaning: The young man was quickly promoted when his employers saw how ----- he was.				
38	Correct the Voice: The laws of gravitation, were first discovered by Newton.				
39	Which Assembly passed One Unit Bill? (A) First Constituent Assembly (B) Second Constituent Assembly (C) First Elected Assembly (D) None of these.	A	B	C	D
40	How long did the Holy Quran take for its complete revelation? (A) 20 years (B) 23 years (C) 25 years (D) 30 years.	A	B	C	D
41	The Treaty of Hudaibia was signed in: (A) 5 th Hijrah (B) 6 th Hijrah (C) 7 th Hijrah (D) 8 th Hijrah	A	B	C	D
42	Sindh was conquered by Muhammad Bin Qasim during the period of: (A) Umayyads (B) Tulun (C) Abbasids (D) Khiljis	A	B	C	D
43	From the four underlined words or phrases, identity the one that is not correct: <u>Octopuses</u> have not only large brains and also a <u>well-developed</u> nervous system. A B C D	A	B	C	D
44	Uranium ores are located in: (A) Khirthar Range (B) Chagga Range (C) Kalabagh Range (D) Himalayans Range	A	B	C	D
45	The organs which are morphologically different but perform the same function are called: (A) Homologous organs (B) Analogous organs (C) Vestigial organs (D) None of these.	A	B	C	D
46	The smallest angiosperm is -----				
47	Under the Islamic law of inheritance, what would be the share of the wife from husband's property in the presence of children? (A) Half (B) One third (C) One eighth (D) One fourth.	A	B	C	D
48	The largest flower on earth is -----				
49	The approximate age of the earth is: (A) 2.6×10^7 year (B) 3.6×10^7 year (C) 4.6×10^9 year (D) None of these.	A	B	C	D
50	Fill in the blanks with correct answers: a) an ----- Island make up ----- entire land area of some countries, including ----- Japan and ----- Philippines.				

***** Page No: 04 of 04 *****

PAPER TYPE: C

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

PRE-INTERVIEW WRITTEN TEST FOR THE POST OF DENTAL SURGEON (BPS-17) IN HEALTH DEPARTMENT, GOVERNMENT OF SINDH

Monday the 28th April, 2014

Time: 02:00 pm to 03:00 pm

QUESTION PAPER

Maximum marks: 100

General Instructions to the candidates:

- 01 Candidates are to attempt all questions.
- 02 Write your Roll No., Name, Father's Name & Centre on the Answer Sheet within the space provided.
- 03 Do not write these data anywhere else on the Answer sheet. Doing so will render the candidate disqualified.
- 04 Follow instructions on the Answer Sheet to mark your responses correctly. Answer carefully by filling one of the appropriate blank cells provided in the Answer Sheet with black or blue ball pen only.
- 05 Each incorrect answer will result in deduction of half (1/2) mark.
- 06 Sign your answer sheet in space provided
- 07 Return your Question paper & Answer Sheet after attempting the Question paper.

MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. QUESTION PAPER IS PART OF ANSWER SHEET FOR ASSESSMENT PURPOSE. NO CANDIDATE IS ALLOWED TO CARRY QUESTION PAPER/ANSWER SHEET OUT OF THE EXAMINATION HALL.

01	If center of rotation of dental forceps during extraction is not far enough apically, it would result in fracture of (A) Root apex (B) Crown portion (C) Middle third of tooth (D) More than 2/3 rd root apex (E) More than 1/3 root apex
02	A patient with a suspected malignant ulcer involving the oral mucosa. The most probable premalignant lesion that gives rise to such malignancy is: (A) Leukoplakia (B) Erythroplakia (C) Pipe smoker's keratosis (D) Lichen planus (E) Chronic candidosis
03	The most important factor in long term success of reimplanted avulsed tooth is (A) Age of patient (B) Extra oral dry time (C) Splinting time (D) Size of apical foramen (E) Medium in which tooth stored
04	Figure eight suture is placed over the socket when size of orofacial fistula (A) Less than 2 mm (B) 2-6 mm (C) 6-10 mm (D) 10-15 mm (E) 15-17 mm
05	Cystic lesion which is always associated with the apices of non vital tooth is (A) Keratocyst (B) Lateral periodontal cyst (C) Paradental cyst (D) Radicular cysts (E) Residual cyst
06	If a rare disorder with an early onset in life is inherited in such a way that male and female offspring are equally affected but only homozygous persons are affected, then the mode of inheritance would be: (A) Autosomal dominant (B) Autosomal recessive (C) X-linked dominant (D) X-linked recessive (E) Mitochondrial inheritance
07	Substance acceptable for disinfecting dental instruments for surgery include (A) Alcohol (B) Chlorine compounds (C) Glutaraldehyde (D) Quaternary ammonium (E) Ethanol
08	A patient comes with gingival enlargement confined to interdental papilla, this degree of gingival enlargement will be scored as (A) Grade 0 (B) Grade I (C) Grade II (D) Grade III (E) Grade IV
09	Aphthous ulceration of oral mucosa is characterized by (A) Prodromal burning (B) Localized area of erythema (C) Involvement of buccal and labial mucosa (D) History of recurrent ulceration (E) History of painless, easily bleeding ulcers
10	The air abrasion technology is getting more use in cavity preparation due to its minimal removal of tooth tissue. Which types of powder particles are used in this technology from following? (A) Silicon oxide (B) Zirconium oxide (C) Magnesium oxide (D) Aluminum oxide (E) Silver oxide
11	The normal range of movement of an adult mandible is (A) 30 mm (B) 35 mm (C) 40 mm (D) 45 mm (E) 50 mm
12	The investment materials are used to make a mould prior to fabrication of a metallic restoration. The main requirement of an investment material is to expand in order to: (A) Make a larger restoration than usual (B) Make a smaller restoration than usual (C) Make a smooth restoration (D) Compensate shrinkage of an alloy on cooling (E) Make a strong restoration
13	The feature most likely to be true regarding Hepatitis B is: (A) Incubation period is between 3 to 5 weeks (B) Transmission is by droplet infection (C) HBs antigen is the serological marker of active viral replication (D) 10 to 15% present with acute hepatitis (E) Carrier rate in adults is 90%
14	A 50 year old complete denture wearer, complaints of loose ill-fitting dentures with difficulty in mastication. Denture examination reveals attrition of teeth & overextended borders along with reduced OVD. The best treatment option for this case is (A) Relining (B) Relining with rebasing (C) Copy / duplicate denture (D) Replacement dentures (E) Trim over-extended borders & reline with tissue conditioners
15	Classical pattern of extraction in Class II camouflage is: (A) Extraction of upper 1 st premolars and lower canines (B) Extraction of upper 1 st premolars and lower 2 nd premolars (C) Extraction of all 2 nd premolars (D) Extraction of upper 2 nd premolars and lower 1 st premolars (E) Extraction of all 1 st molars.
16	The most commonly used surgical procedure to setback a prognathic mandible is (A) Vertical subsigmoid osteotomy (B) Bilateral sagittal split osteotomy (C) Body osteotomy (D) Inverted L osteotomy (E) C shape osteotomy
17	A patient has to undergo surgical procedure for parotid carcinoma. Which of the following nerve is most likely to be injured during this procedure? (A) Trigeminal (B) Facial (C) Vestibulocochlear (D) Abducent (E) Glossopharyngeal
18	Most difficult to remove impacted mandibular third molar when it is (A) Mesioangular (B) Distoangular (C) Vertical (D) Horizontal (E) Both vertical & mesioangular
19	Clinical step during which excess mercury is removed (A) Trituration (B) Condensation and carving (C) Burnishing (D) Polishing (E) Removing the matrix
20	A pathological condition has eroded the buccocortical plate, incision for the flap must be placed at least (A) 2-3 mm away on sound bone (B) 5-6 mm away from it (C) 6-8 mm away from it (D) 6-10 away from it (E) 8-10 mm away from it

21	During surgery for malignant parotid tumour the main trunk of the facial nerve is lacerated, resulting in paralysis of which of the following muscles? (A) Masseter (B) Stylopharyngeus (C) Anterior belly of digastrics (D) Buccinator (E) Tensor tympani
22	To maintain the existing diastema in planned fixed prosthesis, the type of connector used is (A) Rigid connector (B) Tenon Mortise connector (C) Loop connector (D) Split pontic connector (E) Cross-pin and wing connector
23	The best approach for diagnosis of odontogenic pain is which of the following? (A) Radiographic examination (B) Percussion (C) Visual examination (D) A step by step, sequenced examination and testing approach (E) Detailed history & clinical examination
24	Different ingredients have different effects on the properties of materials. Borax is added in the Agar impression material in order to: (A) Give body to the agar gel (B) Increase its setting reaction (C) Improve its taste (D) Improve its bonding with tray (E) Make a clear gel
25	Amount of tissue between the suture and the edge of the flap (A) 5 mm (B) 4 mm (C) 3 mm (D) 2 mm (E) 6 mm
26	Which is more potent anti-bacterial agent regarding chemical control of dental plaque? (A) Chlorhexidine (B) Cetylpyridinium (C) Triclosan (D) Phenolic compound (E) Hydrogen peroxide
27	A patient has reported to you with the complain of repeated dislocation of his temporomandibular joint. Restriction of which of the following ligament is causing this problem: (A) Temporomandibular (B) Stylomandibular (C) Styloglossus (D) Stylo mastoid (E) Sphenomandibular
28	During an illness for a child tooth classification is disturbed. This will most likely affect teeth that are in which of the following stages of development? (A) Bud (B) Cap (C) Early bell (D) Late Bell (E) Morphogenic stage
29	A 55 years old male suspected malignancy on right buccal mucosa since 6 months. After incisional biopsy specimen immersed in 10% formalin. What should be the volume of formalin required (A) 15 times (B) 10 times (C) 20 times (D) 30 times (E) 50 times
30	Pure pulpal pain cannot be localized by the patient to offending tooth because of the (A) Crossover of nerves in the central nervous system (B) Lack of inflammation in periodontal ligaments (C) Lack of proprioceptors in the pulp (D) Presence of proprioceptors in periodontal ligaments (E) C fibers
31	Instrument fracture has occurred in the middle 1/3 of the root. The most appropriate treatment option will be? (A) Retrieve it or Bypass it (B) Hemisection (C) Root resection (D) Intentional re-implantation (E) Root amputation
32	The primary purpose of biopsy is to (A) Remove the pathological lesion (B) Prevent the lesion to extent (C) Definitive diagnosis (D) Plan the treatment planning (E) Decrease the size of lesion
33	An 08 years old boy admitted in ER with bleeding after tooth extraction. He is diagnosed as having hemophilia. The most suitable blood product to be transfused will be: (A) Cryoprecipitate (B) Fresh frozen plasma (C) Plasma (D) Packed cell (E) Whole blood
34	Which of the following option gives best information about working length of root canals? (A) Patient response (B) Paper point determination (C) Radiograph and apex locator (D) Radiograph (E) Tactile sensation
35	Pulp capping is a frequently used clinical procedure in the operative dentistry. The material which is able to initiate calcification and form a secondary dentine layer at the base of cavity is: (A) Zinc phosphate cement (B) Copper cement (C) Calcium hydroxide cement (D) Cermet (E) Ethoxy benzoic acid
36	A pre-operative periapical radiograph of mandibular 2 nd premolar shows a wide broad single canal which abruptly obliterated at middle 3 rd of the root. This indicates that: (A) Calcification in the lower part of the canal (B) The single canal divides into two separate canal (C) Pulp stones formation in lower part of root canal (D) There is sever root curvature (E) The single root may divide into two separate roots
37	A female patient age of 20 years has a deep carious lesion reaches the pulp. The pulp responds by vasodilation. There is migration of white blood cells into the pulp. The response is most likely to be initiated by cells in which of the following zone of the pulp? (A) Cell free zone (B) Cell rich zone (C) Plexus of rahsow (D) Odontoblast layer (E) Pulp core
38	The dentine adhesives are used now days for almost every type of direct or indirect restorations. Currently these dentine adhesives are classified on the basis of: (A) Their chemistry (B) Their year of development (C) Their effect on smear layer (D) Their ability to make hybrid layer (E) Their ability to bond either wet or dry dentine.
39	An 18 year old male presents with abscess on lower 1 st molar tooth at buccal sulcus. Which surgical blade is used for drainage of abscess? (A) Blade # 11 (B) Blade # 12 (C) Blade # 15 (D) Blade # 18 (E) Blade # 20
40	The clinical advantage of porcelain laminate veneers over composite resin veneers is: (A) Colour stability and resistance to abrasion (B) Availability of self-curing or light-activated luting (C) Minimal over contouring of the treated teeth (D) May be used in edge to edge occlusion or class III relationships (E) Adapts well to primary teeth.
41	Antagonist of Benzodiazepine is: (A) Flumazenil (B) Naloxone (C) Furazolidone (D) Naltrexone (E) Oxycodone
42	A patient starts to gag while taking impression of maxillary dentition. The prosthodontis management of this patient is to: (A) use slow setting impression material (B) Lean back the head rest while taking impression (C) Control consistency and amount of impression material (D) Use anesthetic spray over palate (E) Seat the anterior portion of the tray first
43	Routes of administration of sedative drugs used in clinical paediatric dentistry are all Except (A) Inhalation (B) Intravenous (C) Transmucosal (D) Sublingual (E) Intramuscular
44	An orthodontic patient reported at clinic with early loss of deciduous molars. How will you treat this patient to maintain the space? (A) Robert's retractor (B) Canine retractor (C) Lingual Bar (D) Labial bow (E) Screws.
45	Cald well luc procedure is used to access in to maxillary sinus, through the (A) Malar Eminence (B) Canine Fossa (C) Tuberosity (D) Zygomatic Ridge (E) Though incisors
46	After removal of his left lower wisdom tooth, patient developed complains of loss of taste and a numb sensation in the left half of his tongue. Which of the following nerves is most likely to have been injured during removal of this tooth? (A) Facial nerve (B) Glossopharyngeal nerve (C) Inferior alveolar nerve (D) Lingual nerve (E) Mandibular nerve
47	Few months after a dental extraction, a patient develops large penetrating vegetation on his mitral & aortic valves with severe headaches. Acute bacterial endocarditis is diagnosed. Which of the following organisms most likely cause the patient disorder? (A) Streptococci of viridans type (B) Styphlococci aureus (C) Actinomyces (D) Streptococcus sangius (E) Lactobacillus
48	The Ideal time for removal of mandibular wisdom tooth is (A) 1/3 tooth formed (B) 1/3 root formed (C) 1/3 crown formation (D) 2/3 root formation (E) 2/3 crown formation
49	A patient wearing a new bilateral removable partial denture complains of soreness in tissue bearing area after 24 hours of insertion. The most likely cause would be (A) Occlusal discrepancies (B) Over extended denture (C) Under extended denture (D) Allergy
50	Ideal time for a cleft lip repair is (A) Intrauterine (B) At birth (C) 3 months of age (D) 18 months of age (E) 10 days after birth

SERIAL NO: 011157

Signature of Addl: Supervisor _____

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD
PRE-INTERVIEW WRITTEN TEST FOR THE POST OF LECTURER ISLAMIC STUDIES BPS-17

FOR USE OF CANDIDATE ONLY

ROLL NO _____

NAME _____

FATHER'S NAME _____

CENTRE _____

SIGNATURE OF CANDIDATE _____

Tuesday the 1st February, 2011

Time: 11:00 am to 12:00 noon

Total marks: 100

QUESTION PAPER /ANSWER SHEET

General instructions to the candidates.

1. Candidates are to attempt all questions.
2. Write your Roll No., Name, Father's Name & Centre on the answer Sheet within the space provided.
3. Do not write these data anywhere else on the answer sheet. Doing so will render the candidate disqualified.
4. Circle appropriate box in the Answer Sheet with Blue or Black Ball point pen only. Use of pencil is not allowed.
5. Each incorrect answer given will result in deduction of 1/2 (half) mark.
6. Sign your answer sheet in space provided.
7. Return your question paper / Answer sheet after attempting the question paper completely.

MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. NO CANDIDATE IS ALLOWED TO CARRY THIS QUESTION PAPER/ANSWER SHEET OUT OF THE EXAMINATION HALL.

Question No:	ANSWER			
01. He was given the title of the "Speaker of the Prophets" (Khatib-ul-Ambia): (A) Hazrat Hood (AS) (B) Hazrat Zakaria (AS) (C) Hazrat Shoaib (AS) (D) Hazrat Haroon (AS)	A	B	C	D
02. Zakat literary means: (A) Purification (B) Contamination (C) Adulteration (D) None of the above	A	B	C	D
03. The real name of Abdul Muttalib was: (A) Fahr (B) Navi (C) Kanana (D) Shaba	A	B	C	D
04. The following Prophet suffered from blindness in his old age (A) Hazrat Yunus (AS) (B) Hazrat Ishaq (AS) (C) Hazrat Ismaeel (AS) (D) Hazrat Yaqoob (AS)	A	B	C	D
05. How long Banu Hashim remained confined to Shib-e-Abee Talib? (A) Two years (B) Three years (C) Four years (D) Five years	A	B	C	D
06. Mosque Zabar was built on the basis of hypocrisy. In which Hijri year, this mosque was demolished? (A) 8 Hijri (B) 9 Hijri (C) 11 Hijri (D) 14 Hijri	A	B	C	D
07. The Holy Book 'Zabur' revealed to Hazrat Dawood (AS), its literal meaning is (A) Perfect (B) Piers (C) Meldious (D) Incomplete	A	B	C	D

FOR OFFICE USE ONLY

08.	By "Isma-ur-Rijaal" is meant: (A) The Seerat of the Caliphs (B) The Seerat of the Imams (C) The Seerat of the describers of Traditions (D) The Seerat of the Prophets	A	B	C	D
09.	Which Ghazwa is named as Furqan: (A) Badr (B) Uhad (C) Khyber (D) Khandaq	A	B	C	D
10.	A Verse of the Holy Quran indicated the name of (A) Hazrat Zaid (RA) (B) Hazrat Maa'z (RA) (C) Hazrat Bilal (RA) (D) Hazrat Saad (RA)	A	B	C	D
11.	How many encounters took place between the Muslims and non-Muslims during the life of Prophet Muhammad (PBUH)? (A) 75 (B) 82 (C) 85 (D) 90	A	B	C	D
12.	Taloot was the father-in-law of: (A) Hazrat Dawood (AS) (B) Hazrat Sulaiman (AS) (C) Hazrat Yaqoob (AS) (D) Hazrat Yousif (AS)	A	B	C	D
13.	Who introduced the Hijra / Hijri year? (A) Hazrat Abu Bakr Siddique (RA) (B) Hazrat Umar Farooque (RA) (C) Hazrat Usman Ghani (RA) (D) Hazrat Ali (RA)	A	B	C	D
14.	The Holy Prophet Hazrat Muhammad (PBUH) performed first Friday Prayer (Namaz-e-Juma) in the year (A) 10 th Nabvi (B) 1 A.H (C) 2 A.H (D) 3 A.H	A	B	C	D
15.	Which of the following Surahs of Holy Quran carries the injunction for utilization of Zakat? (A) Surah Al-Momin (B) Surah Al-Touba (C) Surah Al-Furqan (D) Surah Al-Nisa	A	B	C	D
16.	What was al-Kiswa? (A) Place (B) A sweet water well (C) Camel (D) None of these	A	B	C	D
17.	What do you understand by "al-Bait-ul-Ateeq": (A) The Holy Ka'aba (B) Bait-ul-Muqadus (C) Masjid-e-Nabvi (D) None of these	A	B	C	D
18.	Garden of Fidaq was in the possession of: (A) Quraish (B) Christians (C) Jews (D) All of them	A	B	C	D
19.	Which Surah of the Holy Quran was recited in the court of Najashi the King of Abyssinia? (A) Surah Ar-Rehman (B) Surah Aale-Imran (C) Surah Maryam (D) Surah Ikhlas	A	B	C	D

Signature of Addl: Supervisor _____

20.	Qibla was changed from Masjid-e-Aqsa (Jerusalem) to Khana-e-Ka'aba in: (A) Ramadan 1 A.H (B) Shaban 1 A.H (C) Ramadan 2 A.H (D) Shaban 2 A.H	A	B	C	D
21.	Tahira was the surname of: (A) Hazrat Aisha (RA) (B) Hazrat Khadija (RA) (C) Hazrat Hafsa (RA)	A	B	C	
22.	After the fall of Yarmuk the Muslims laid siege to: (A) Roman Empire (B) Jerusalem (C) Hulwan (D) Yarmuk	A	B	C	D
23.	What is the name of the place from where Ahram becomes compulsory for a Hajj? (A) Mikat (B) Arafat (C) Madina (D) Jeddah	A	B	C	D
24.	Observation of "Aitkaf" in Ramzan-ul-Mubarik is (A) Farz (B) Wajib (C) Mustahib (D) Sunnat	A	B	C	D
25.	The "Zakhrat" is Surah of the Holy Quran. It means: (A) Copper (B) Silver (C) Zinc (D) Gold	A	B	C	D
26.	"Tadhkirah Sufia-e-Sindh" is a famous book of Mr.				
27.	Hazrat Salma (RA) was Hazrat Abu Bakr's (RA) mother, she was given the title of: (A) Umm-e-Abdullah (B) Umm-ul-Khair (C) Umm-ul-Ayal (D) None of these	A	B	C	D
28.	Hazrat Umar (RA) belonged to a branch of: (A) Quraish (B) Banu Tamam (C) Banu Ummayah (D) Banu Asad	A	B	C	D
29.	He was called Malik-ut-Tajjar: (A) Hazrat Abu Bakr (RA) (B) Hazrat Usman (RA) (C) Hazrat Ali (RA) (D) Hazrat Umar bin Abd-ul-Aziz (RA)	A	B	C	D
30.	Hazrat Ali (RA) was appointed as caretaker of Madina when the Prophet (PBUH) left for Ghazwa (A) Badr (B) Uhad (C) Hunain (D) Tabuk	A	B	C	D
31.	He was the cousin of the Prophet (PBUH) and also one of the Ashra Mubashras: (A) Hazrat Talha (RA) (B) Hazrat Usama bin Zaid (RA) (C) Hazrat Zubair bin Awam (RA) (D) Hazrat Saeed bin Zaid (RA)	A	B	C	D
32.	Hazrat Abu Ubaidah (RA) bin al-Jarrah, one of the Ashra Mubashras, was called as: (A) The Sea of Knowledge (B) Door of Knowledge (C) Trustee of the Ummat (D) All of these	A	B	C	D
33.	Before migrating to Madina the Holy Prophet (PBUH) had sent _____ there for preaching (A) Hazrat Abu Zar Ghafari (RA) (B) Hazrat Masab bin Umair (RA) (C) Hazrat Zaid bin Sabit (RA) (D) None of these	A	B	C	D
34.	Abdullah bin Abbas (RA) was given the title: (A) Interpreter of Islam (B) Treasurer of Islam (C) Sea of Knowledge (D) None of these	A	B	C	D
35.	Umme Aimen was the mother of: (A) Hazrat Zaid bin Haris (RA) (B) Hazrat Bilal (RA) (C) Hazrat Anas (RA) (D) Hazrat Abu Zar Ghaffary (RA)	A	B	C	D
36.	Which Surah is called "Salasul-Quran"? (A) Surah Akhlas (B) Surah Falak (C) Surah Fatah (D) Surah Rehman	A	B	C	D
37.	Some rays are used to detect defects or diseases of bones. What are these called? (A) tapped sun-rays (B) alpha rays (C) beta rays (D) roentgen rays	A	B	C	D
38.	The digestive juice produced in the ileum is called: (A) pancreatic juice (B) saliva (C) succus entericus (D) gastric juice	A	B	C	D
39.	The rear view mirror in car is: (A) Plane mirror (B) Concave mirror (C) Convex mirror (D) Planoz convex mirror	A	B	C	D
40.	Whale has descended from ancestors that (A) lived on the sea-bed (B) lived on trees (C) lived on land (D) lived in the air	A	B	C	D
41.	Evaporation causes: (A) coolness (B) heat (C) humidity (D) dryness	A	B	C	D

42.	Sweat glands occur in greatest number in the skin of the: (A) forehead (B) forearm (C) palm of the hand (D) back	A	B	C	D
43.	Polarized glass is used in sunglass because: (A) it is cheaper (B) it has good colour (C) it is fashionable (D) it reduces the light intensity to half on account of polarization	A	B	C	D
44.	Meteorology is the study (or science) of the phenomena of: (A) meteors and planets (B) distance between stars (C) atmosphere for weather forecast (D) meteoric effect on space exploration	A	B	C	D
45.	"Pakistan National Movement" was founded by: (A) Dr. Allama Iqbal (B) Ch. Rahmat Ali (C) Nawab Waqar-ul-Mulk	A	B	C	
46.	What was the response of Muslim league over British offer of 1940? (A) Accepted (B) Rejected (C) Neither accepted nor rejected	A	B	C	
47.	"Quit-India Movement" was started in: (A) 1941 (B) 1942 (C) 1943	A	B	C	
48.	Indus River system in Pakistan comprises of: (A) Three rivers (B) Four rivers (C) Five rivers (D) Six rivers	A	B	C	D
49.	Give the name of the author of "The Meaning of Pakistan": (A) Sir Fazle Hussain (B) G.F.I. Graham (C) J.Karbel (D) F.K.K Durrani	A	B	C	D
50.	Chechnya lies in the: (A) Siberian region (B) Caucasian region (C) Scandanavian region (D) Caribbean region	A	B	C	D

*****THE END*****

PAPER TYPE: C

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

**PRE-INTERVIEW WRITTEN TEST FOR THE POST OF ASSISTANT SUB-INSPECTOR(ASI) BPS-09 UNDER
SINDH POLICE DEPARTMENT, GOVERNMENT OF SINDH.
FOR GRADUATE CONSTABLES / HEAD CONSTABLES ONLY.**

GENERAL KNOWLEDGE

Wednesday the 13th March, 2013

Time: 10:00 AM to 11:00 AM.

Maximum marks: 100

QUESTION PAPER

General instructions to the candidates:

01. Candidates are to attempt all questions.
02. Write your Roll No. , Name, Father's Name & Centre on the answer sheet within space provided.
03. Do not write these data anywhere else on the answer sheet. Doing so will render the candidate disqualified.
04. Follow instructions on the answer sheet to mark your responses correctly.
05. Each question carries 02 marks. Each incorrect answer given will result in deduction of ½ (half) mark.
06. Sign your answer sheet in space provided.
07. Return your question paper & Answer sheet after attempting the question paper completely.

MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL . NO CANDIDATE IS ALLOWED TO CARRY THIS QUESTION PAPER / ANSWER SHEET OUT OF THE EXAMINATION HALL.

Q.No:

- | | |
|----|---|
| 01 | Revolver was first invented by: (A) Samuel Colt (B) E.W.Jaffery (C) E.D. Winchester (D) Camillo Vitelli |
| 02 | There are _____ players on each side in Football. (A) 11 (B) 12 (C) 09 (D) 08 |
| 03 | The water of which sea is most saline: (A) Red Sea (B) Black Sea (C) Dead Sea (D) Baltic Sea |
| 04 | Lunar eclipse does not occur every month because:
(A) The sun's orbit is not always in the same plane as the moon (B) The moon's orbit is not all the time in the same plane as the earth (C) The moon revolves at a slower speed than the earth (D) None of these |
| 05 | Pipe "A" and "B" can fill a tank in 15 and 20 minutes respectively. How long would it take both pipes, working together to fill it?
(A) 60/7 minutes (B) 11/4 minutes (C) 9/5 minutes (D) 11 minutes |
| 06 | 'Narita' is the airport of: (A) Korea (B) China (C) Japan (D) Sri Lanka |
| 07 | Statue of liberty in New York was designed and prepared in:
(A) England (B) Germany (C) United States of America (D) France |
| 08 | A Dart gun is used : (A) to fire tear gas shell. (B) for target shooting (C) high accuracy shooting (D) for tranquilizing and trapping big animals |
| 09 | Which fruit can a diabetic patient eat freely? (A) Banana (B) Orange (C) Mango (D) Apple |
| 10 | Which of the following is the most destructive? (A) Tornado (B) Cyclone (C) Typhoon (D) Willy-willy |
| 11 | The largest man-made canal in the world is:
(A) Rhine Canal (B) Suez Canal (C) Panama Canal (D) None of these |
| 12 | The largest copper producing country is: (A) USA (B) USSR (C) Chile (D) Pakistan |
| 13 | Tropical fruit Mango is native of: (A) Bangladesh (B) South India (C) Multan (Pakistan) (D) Bangkok |
| 14 | Rickets is a disease of: (A) Blood (B) Bones (C) Skin (D) Glands |
| 15 | What layer of atmosphere is vital for telecommunications?
(A) Troposphere (B) Thermosphere (C) Stratosphere (D) Ionosphere |
| 16 | 'TT' is the news agency of: (A) Sweden (B) India (C) UK (D) Norway |
| 17 | The famous 'midnight sun' can be seen in which main city of Norway?
(A) Copenhagen (B) Tromso (C) Oslo (D) None of these |
| 18 | The biggest desert of the world is: (A) Sahara (B) Gobi (C) Kalahari (D) Sinkiang |
| 19 | Find the principal that will gain Rs. 84 interest in 2 years at 4% per annum:
(A) Rs:1050/- (B) Rs:1000/- (C) Rs:505/- (D) Rs:507/- |
| 20 | The capital of Mozambique is: (A) Maputo (B) Port Louis (C) Bamako (D) Male |

21	"Crime and Punishment" was written by: (A) Lewis Carrol (B) Fyodor Dostoevesky (C) Leo Tolstoy (D) John Ruskin
22	Potato is native of: (A) Cuba (B) Andes (C) South America (D) Argentina
23	Which city is called 'Forbidden city'? (A) Lahasa (B) Moscow (C) Rome (D) Beruit
24	Opaque means: (A) Iridescent (B) Blocking light (C) Egg-shaped (D) Clear
25	Identify the World smallest state by population: (A) Vatican City (B) Singapore (C) San Marino (D) Maldives
26	INTERPOL means: (A) International Crime Investigation Bureau (B) International Criminal Police Organization (C) International Association of Police Officers (D) None of these
27	The "Last Supper" a famous renaissance painting was a masterpiece of: (A) Michael Angelo (B) Leonardo de Vinci (C) Titan (D) Raphel
28	Masjid-e-Suleman is : (A) Mosque in Madina (B) Ancient Mosque in Cairo, Egypt (C) An oil field in Iran (D) Believed to be capital of Hazrat Suleman(A.S) Kingdom
29	Optical fibre works on the principle of: (A) Total Internal Reflection (B) Refraction (C) Scattering (D) None of these
30	After sleeping for a 100 years, he again woke up: (A) Hazrat Uzair(AS) (B) Hazrat Moosa (AS) (C) Hazrat Saleh(AS) (D) Hazrat Imran(AS)
31	Molotov cocktail is : (A) Mixture of wine and spirits (B) A soft drink (C) Improvised incendiary weapon (D) A Russian drink
32	Road reflectors for safe night driving was first invented by: (A) Henry Ford (B) Daimler Benz (C) Percy Shaw (D) Rolls Royce
33	Enfield Rifle was invented by: (A) Webley & Scott (B) Heckler & Koch (C) John lee & James Parislee (D) W.W. Greener
34	Identify the famous strait located in Mediterranean Sea? (A) China Strait (B) Strait of Hormuz (C) Sinai Strait (D) Strait of Gibraltar
35	Which is highest mountain pass in the world? (A) Alpine (B) Khunjerab Pass (C) Tochi Pass (D) Kulk Pass
36	Milk Chocolate was first invented by: (A) Cadbury (B) Nestle (C) Roundtree (D) Daniel Peters
37	Which of the following is a good conductor of heat but a bad conductor of electricity? (A) Mica (B) Asbestos (C) Aluminum (D) Titanium
38	The miracle of a pregnant female camel was sent to the nation of: (A) A'ad (B) Israel (C) Samood (D) Loot
39	Snake bite first affects the: (A) Lungs (B) Blood circulation (C) Brain (D) Nervous system
40	The term "DACTYLOSCOPY" is known as: (A) DNA identification (B) Examination of throat with flexible camera (C) Finger Print Identification (D) Gazing of Stars, Planets and moon with telescope
41	Which cloud is likely to cause heavy rainfall? (A) Nimbo-stratus (B) Cirro cumulus (C) Strato-cumulus (D) Stratus
42	Which is called 'Cross roads of Western Europe'? (A) Belgium (B) Canada (C) France (D) Egypt
43	Highest nutrition content in staple foods is in: (A) Potato (B) Sorghum/Corn (C) Rice (D) Wheat
44	The world's narrowest street is: (A) Wall Street (B) Vicolo Della Virilita (C) Fleet Street (D) Yonge Street
45	Pakistan hockey team won the Gold Medal for the second time in ____ Olympics. (A) 1972 Munich (B) 1964 Tokyo (C) 1968 Mexico city (D) 1976 Montreal
46	The currency of Venezuela is: (A) Vatu (B) Bolivar (C) Som (D) Tala
47	Water does not boil at: (A) 100°C (B) 212°F (C) 80°R (D) 272°K
48	Finger print identification was first recognized and used as tool for crime investigation by: (A) Gilbert Thomson (B) Marcello Malpighi (C) Mark Twain/ Samuel L Clements (D) William Herschel
49	Chino-phobia stands for the fear of: (A) Snakes (B) Snow (C) Lighting (D) thunder
50	Out of the total area of the world Antarctica contains: (A) 8.2% (B) 7.9% (C) 6.7% (D) 8.9%

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

**PRE-INTERVIEW WRITTEN TEST FOR THE POST OF
HEAD MASTER/HEAD MISTRESS BPS-17**

Tuesday the 26th April, 2011
Time: 11:00 am to 01:00 pm.

Total marks: 40

NOTE: ATTEMPT ALL QUESTIONS.
ALL QUESTIONS CARRY EQUAL MARKS
WRONG SPELLINGS AND INCORRECT ENGLISH WILL RESULT
INTO DEDUCTION OF MARKS.

Q.1. Write an Essay not exceeding more than 150 words, on any ONE of the following:

- (i) Students and Politics in educational institutions.
- (ii) Every thing that Glitters is not Gold.
- (iii) Role of educated women in child development.
- (iv) Nuclear Energy: Boon or Bane.
- (v) Crime scenario in Metropolitan city of Karachi.

Q.2. Write a précis of the following passage by giving it a suitable heading.

A sea level rise of up to 100 centimeters over the next 100 hundred years would inundate up to 20 kilometers inland from the current shoreline and severely affect the world's densely populated delta areas. The very existence of low-lying island nations, such as the Maldives, would be threatened.

If the sea rises more rapidly than the marshes can reestablish themselves inland, great losses of wetlands would occur, mostly in developed areas where protective structures prevent the inland migration of wetlands.

Over the past several thousand years, coastal marshes have generally kept pace with sea-level rises through sedimentation and peat formation. But through out the world, major rivers have been dammed, leveed and channeled, curtailing the amount of sediment that reaches the deltas. Even at today's rate of sea level rise, the sea is reclaiming substantial amounts of coastal land in Egypt and Mexico; at the same time, marshes in Louisiana are being starved from a lack of sediment.

About 70% of the world's sandy coasts have eroded in the past few decades. Any sea-level rise is certain to exacerbate this loss. Global warming can be expected to increase rainfall and flooding. Coastal flooding increases the vulnerability of the land to erosion; a higher sea-level results in higher storm surges and decreased drainage.

Coastal barrier islands, continually rebuilt by the landward transport of sand during major storms, will likely survive a rising sea level. However, erosion may undermine developments on coastal and barrier islands. The potential for increased erosion would be particularly important to seaside resorts, which include some of the world's most economically valuable and intensively developed land.

Q.3. Write a demi-official letter to E.D.O. Education, to visit your school building that needs special and urgent repairs, caused due to mayhem from last countrywide floods.

Q4. One of the causes of decline in education standards is non-punctuality of teachers and students alike in educational institutions and indifferent attitude to value time. As a Headmaster of a school, what measures would you adopt to streamline the administration of your school and bring about improvement in daily attendance?

OR

Copy culture has eroded education standards at almost all levels in our educational institutions. What measures and system of examinations should be adopted to eliminate this menace from our institutions and revamp system of education in our Province?

Q.5. Give meaning of the following idioms and use them in your sentence to elaborate meaning?

- (A) to play the second fiddle.
- (B) back and forth.
- (C) jump on the bandwagon.
- (D) between devil and the deep sea.
- (E) lightning does not strike twice.

*****THE END*****

PAPER TYPE: A

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.
PRE-INTERVIEW WRITTEN TEST FOR THE POST OF MEDICAL OFFICER (MALE & FEMALE) (BPS-17)
IN HEALTH DEPARTMENT, GOVERNMENT OF SINDH.

Sunday the 20th January, 2013

Time: 10:30 am to 12:30 pm.

Maximum marks: 100

QUESTION PAPER

General Instructions to the candidates:

- 01 Candidates are to attempt all questions.
- 02 Write your Roll No., Name, Father's Name & Centre on the answer Sheet within the space provided.
- 03 Do not write these data anywhere else on the answer sheet. Doing so will render the candidate disqualified.
- 04 Follow instructions on the answer sheet to mark your responses correctly. Answer carefully by filling one of the appropriate blank cells provided in the answer sheet with black or blue ball pen only.
- 05 Each incorrect answer will result in deduction of 0.25 mark.
- 06 Sign your answer sheet in space provided.
- 07 Return your Question paper & Answer sheet after attempting the Question paper.

MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. QUESTION PAPER IS PART OF ANSWER SHEET FOR ASSESSMENT PURPOSE, NO CANDIDATE IS ALLOWED TO CARRY QUESTION PAPER/ANSWER SHEET OUT OF THE EXAMINATION HALL.

Q.No:

01	Regarding corneal edema: (A) Epithelial edema results from corneal endothelial dysfunction (B) Sub-epithelial edema results from corneal endothelial dysfunction (C) Stromal edema results from corneal endothelial dysfunction (D) Sub-epithelial edema ends up in bullous keratopathy (E) Stromal edema results from corneal suffocation
02	All are the causes of PPH except: (A) Uterine atony (B) Lacerations (C) Retained placenta (D) DIC (E) Uterine prolapse.
03	The antigen presenting cell is: (A) Neutrophil (B) Eosinophil (C) T-cell (D) B-cell
04	Thirty to forty percent of MDS patients progress to acute leukemic transformation, in which the most frequent blast phenotype encountered as: ? (A) Hybrid (myelolymphoid) (B) Erythroid (C) Myelomonocytoid (D) Lymphoid (E) Erythroid & Lymphoid
05	Phantom pain of the eye: (A) Occurs in orbital cellulitis (B) Occurs in Uveitis (C) Is treated by ocular prosthesis (D) Is treated by NSAIDs (E) Arises from Choroid
06	If a pregnant woman bleeds heavily in associated abdominal cramps, the abortion is said to be : (A) Threatened (B) Missed (C) Incomplete (D) Complete (E) Recurrent.
07	Malignant tumor occurs due to atomic radiation is: (A) Acute lymphoid leukemia (B) Acute myeloid leukemia (C) Lymphoma (D) Lymphosarcoma
08	Which features are the most important characteristics of chronic myelogenous leukemia that distinguish it from myelofibrosis? (A) Presence of increased platelets and fibroblasts (B) decreased erythrocytes with abnormal morphology (C) Increased leukocytes with hypercellular bone marrow (D) Low LAP score and presence of Ph chromosome (E) Increased lap score & absence of Ph chromosome
09	Pigmentary Glaucoma: (A) Occurs due to pigment dispersion syndrome (B) Occurs due to occlusion of spaces of Fontana by pigment granules (C) Occurs due to trabecular inflammation caused by pigment granules (D) Is actually Primary OAG (E) Is actually secondary closed angle glaucoma
10	Which of the following patients would be at greatest risk for ectopic pregnancy? (A) A healthy woman on birth control pills for longer than 18 months' duration (B) A woman with past history of three incidents of PID (C) A woman with history of endometriosis (D) A healthy woman with irregular menses (E) A woman with past history of several urinary tract infections (UTIs)
11	Most common organ affected in left sided heart failure is: (A) Lung (B) Liver (C) Brain (D) Kidney
12	The Kell antigen (K) is considered to be: (A) Highly immunogenic (B) Likely to promote an immune response in 50 percent of recipients after a single transfusion (C) Likely to promote an immune response in 5 percent of recipients after a single transfusion (D) Not immunogenic (E) Unlikely promote immune response after transfusion
13	A 68 year old man presents with a sudden episode of severe colicky abdominal pain. Within three days of admission to hospital, he becomes jaundiced and develops high-grade fluctuating pyrexia. The most likely diagnosis in this patient is: (A) An intrahepatic abscess (B) Carcinoma of the head of pancreas (C) Cirrhosis of liver (D) Infective hepatitis (E) Some impacted in the common bile duct.
14	Following do not apply on Optic neuritis: (A) Is seen clinically in form of retrobulbar neuritis (B) Is seen clinically in form of papillitis (C) Is seen clinically in form of neuroretinitis (D) Pain is not severe (E) Vigorous and immediate treatment is required in all cases
15	Regarding endometriosis: (A) It is associated with polycystic ovarian disease (B) It occurs in less than 50% of all fertile patients (C) It causes powder burn lesions (D) Danazol has no role (E) USG is the confirmatory test for diagnosis
16	Adenomyosis is the presence of endometrial tissue in the: (A) Ovaries (B) Fallopian tubes (C) Pelvic peritoneum (D) Myometrium
17	The organ to which metastasis never occurs in: (A) Pituitary (B) Spleen (C) Adrenals (D) Colon (E) Prostate
18	During surgery for a giant fibroid uterus, a Gynecologist inadvertently damages the right ureter. A general surgeon is called for repairs who assesses that there is a transection of the lower ureter. The operation of choice in this patient is: (A) End-to-end anastomosis alone (B) Boari's operation (C) Trans uretero-uretostomy (D) Psoas Hitch of bladder (E) Anastomosis after mobilization of the kidney
19	Indications for single agent chemotherapy following suction evacuation of hydatiform mole usually includes: (A) rise in the HCG titer (B) A plateau of HCG titer for 1 week (C) Return of HCG titer to normal at 06 weeks after evacuation (D) Appearance of liver metastasis (E) Appearance of brain metastasis

20	Which of following benign tumors is most likely invasive? (A) Cystadenoma (B) Papilloma of bladder (C) Osteoma (D) Haemangioma (E) Chondroma
21	Causes of early death after chest trauma include all except: (A) Hypoxemia (B) Hypovolaemia (C) Tamponade (D) Esophagel rupture (E) Tension pneurnothorax
22	Septet uterus can give rise to all except: (A) Recurrent abortion (B) Manorrhagia (C) Male presentation (D) Breech presentation (E) Shoulder presentation
23	A 28 year old female presents with a solitary lump in the neck that moves on swallowing. The cytology is suspicious and frozen section examination reveals the presence of psammoma bodies. The most diagnosis is: (A) Anaplastic carcinoma (B) Follicular carcinoma (C) Hurthle cell carcinoma (D) Lymphoma (E) Papillary carcinoma
24	A 33 years old male developed symptoms of acute renal failure. A renal biopsy was performed. Which of the following ultra structural changes most likely suggest diagnosis of acute tubular necrosis? (A) Clumping of nuclear chromatin (B) Marked mitochondrial swelling (C) Formation of Myelin figures (D) Blebs on cell membrane (E) Presence of small phospholipids-rich amorphous densities
25	Regarding ureteric injuries: (A) Gynecological operating like hysterectomy is associated with ureteric injuries (B) Penetrating abdominal or back injuries are also associated with these (C) May be caused by ureteric cathetrizarion (D) All of these are correct (E) None of these.
26	During routine examination, an asymptomatic multiparous patient is found to have a raised 1-cm cyst oin her cervix. The area is biopsied and clear mucus is extrude. Histoglogic examination of the specimen shows a lining of flattened columnar or cuboidal-type cells. With what would this clinical picture be most compatible? (A) Herpes cervicities (B) Varicella infection (C) Cervical intraepithelial neoplasia (CIN) (D) Naborthian cyst (E) Cervical adenosis
27	The most frequent neoplastic lesion of the appendix is: (A) Adenocarcinoma (B) Lymphosarcoma (C) Haemangiosarcoma (D) Carcinoid (E) Metastatic
28	A 48 year old man who has a long history of excessive drinking presents with signs of alcoholic hepatitis. Microscopic examination of liver biopsy reveals irregular eosinophilic hyaline inclusions within cytoplasm of the heptocytes. These eosinophilic inclusions are composed of which one of the following substances? (A) Immunoglobulin (B) Excess plasma proteins (C) Pre-Keratin intermediate filaments (D) Basement membrane material (E) Lipofusin
29	A 25 year old victim of a violent assault is brought to the A & E department . He is in respiratory distress and has a sucking wound communicating with the pleural space. The single best immediate management of this patient would be: (A) Maintain an arterial line immediately (B) Apply a sealed dressing over the wound (C) Perform a needle thoracocentesis (D) Place a chest tube (E) Shift patient to or for a thoracotomy
30	The wrist drop results from the damage to: (A) Median nerve (B) Radial nerve (C) Ulnar nerve (D) Axillary nerve (E) Anterior interosseous nerve
31	Indication of thoracotomy in chest trauma include all but: (A) Initial drainage of 200cc of blood at the time of insertion of chest tube (B) Initial drainage of 1000cc or more of blood at the time of insertion of chest tube (C) Continuous drainage of more than 200cc of blood in chest tube over next 1 hour. (D) Suspicious cardiac tamponade (E) Suspicious of major vessel or viscous injury
32	Histologically, the presence of which of the following would determine that an ovarian teratoma is malignant? (A) Squamous cells (B) All three germ cell lines (C) Immature fetal-like cells (D) Neural ectoderm (E) An ovarian capsule
33	The most characteristic feature of gramulomatous inflammation is: (A) Caseation necrosis (B) Multinucleated giant cells (C) Langhans giant cells (D) Aggregation of epitheloid macrophages (E) Run of lymphocytes
34	On barium enema examination, A 55 year old woman is noted to have a 2.5 cm benign appearing polyp in the sigmoid colon. Excision attempted during flexible sigmoidoscopy is incomplete but yields several portions of adenomatous tissue that do not appear histologically to be malignant . The most appropriate management plan for this patient would be: (A) Sigmoid colectomy (B) Sigmoid colectomy and polypectomy (C) Segmental resection of the polyp with excision of a 3-cm margin of colon (D) Periodic barium enema examinations to assess the growth of the polyp remnant (E) Repeated sigmoidoscopic sessions to complete removal of the polyp
35	Paralysis of which of the following muscles causes "winged" scapula: (A) Trapezlius (B) Pectoralis major (C) Pectoralis minor (D) Serratus anterior (E) Deltoid
36	Tuberculous peritonitis: (A) Does not possess specific forms (B) It is always associated with pulmonary tuberculosis (C) Is managed surgically (D) May arise primarily as abdominal tuberculosis (E) Antituberculous drugs are not used
37	Common cause of secondary Amenorrhea is : (A) Polycystic ovarian syndrome (B) Hyperprolactinemia (C) Hypopituitarism (D) Exercise related amenorrhea (E) Weight related amenorrhea
38	A 35 years old male develops high grade fever with rusty sputum; his chest x-ray shows right sided consolidation. The most accurate test for diagnosis would be: (A) Bloodculture (B) Sputum gram stain (C) Sputum culture (D) Cold antibody titre (E) Lung biopsy
39	The typical patient with repeated attacks of biliary pancreattis can be expected to develop: (A) Pancreatic fibrosis (B) Diabetes mellitus (C) Sprue (D) Narcotic addition (E) Cholangitis
40	Heparin is important because: (A) It acts as anticoagulant (B) It has same disaccharides units as lactose (C) It is formed in the mast cells (D) It is a heteropolysaccharide (E) It is present in the blood
41	Least likely palliative treatment for ca-esophagus includes: (A) Radical Esophagectomy (B) Laser cannalizaiton (C) Esophageal intubation (D) Brachytherapy (E) Esoghageal stenting
42	Adenomyosis: (A) Is a tumor of the vagina (B) Is growth of the endometrium in the myometrium (C) Is also called endometriosis externa (D) Cause amenorrhoea (E) Causes backache
43	Transmural hemorrhagic infarcts occur most often in the: (A) Duodenum (B) Jejunum and ileum (C) Appendix (D) Cecum (E) Distal colon
44	All of the following are indications for exploration of the common bile duct at the time of cholecystectomy except: (A) A history of jaundice (B) Single faceted stone in the gall bladder (C) Multiple stones in the gallbladder (D) Recurrent chills and fever (E) Mucocele of the gallbladder
45	A large fun-gating mass protruding into the rectal lumen on biopsy turns out to be an invasive malignant tumor is most likely associated with: (A) Diverticulitis (B) Diverticulosis (C) Juvenile polyposis syndrome (D) Crohn's disease (E) Ulcerative colitis
46	Carcinoma of rectum is present within 4 cm of anal verge. The best management option is : (A) Chemotherapy (B) Abdominoperineal excision (C) Anterior resection (D) Radiotherapy

47	Which colonic polyps are most likely to bleed? (A) Hyper-plastic polyp (B) Peutz-Jeghers polyp (C) Lymphoid polyp (D) Tubular adenoma (E) Villous adenoma
48	The most common site of rib fracture is: (A) Angle of Rib (B) Head of Rib (C) Neck of Rib (D) Costochondral junction
49	Wound of laparoscopic cholecystectomy is: (A) Clean wound (B) Contaminated wound (C) Clean contaminated wound (D) Dirty wound (E) None of these
50	The commonest surgical procedure for the treatment of parotid gland tumors is: (A) Enucleation of tumors (B) Excision of tumors (C) Open surgical biopsy (D) Radical parotidectomy (E) Superficial parotidectomy
51	The most likely threatening complication of simple multi-nodular goitre is: (A) Secondary Thyrotoxicosis (B) Carcinoma (C) Acute respiratory obstruction (D) Change of voice (E) Cosmetic disfigurement
52	Hodgkin's disease is a malignant lymphoma with four histologic subtypes. Which of the following is not one of the subtypes? (A) Lymphocyte predominance (B) Nodular sclerosis (C) Mixed cellularity (D) Lymphocyte depletion (E) Leukocyte-lymphocyte dominance
53	Which of the following statements about the diagnosis and treatment of esophageal leiomyomas is / are correct? (A) The majority are diagnosed after they cause dysphagia and chest pain (B) Biopsy is indicated at the time of esophagoscopy, to rule out carcinoma (C) Full-thickness elliptical excision of the esophageal wall is the preferred surgical approach (D) Endoscopic ultrasonography is a reliable means of following leiomyomas conservatively (E) Recurrence of resected leiomyomas is minimized by wide local excision
54	All of the following are complications of peptic ulcer surgery except: (A) Duodenal stump blowout (B) Dumping (C) Diarrhea (D) Delayed gastric emptying (E) Steatorrhea
55	There are some important differences between the life-cycles of plasmodium vivax and that of plasmodium falciparum. From the list below, which one life-cycle stage occurs with P.vivax but not with P.falciparum infection? (A) Gametocytes (B) Hypnozoites (C) Schizonts (D) Sporozoites (E) Trophozoites
56	A 26-year old diabetic women is found to have bilateral retinal haemorrhages, microaneurysms and intraretinal microvascular anomalies during the first trimester of pregnancy. Which one of the following statements is true? (A) She should have an ophthalmic review weekly during her pregnancy (B) these features are consistent with preproliferative diabetic retinopathy (C) She should be treated with panretinal laser photocoagulation (D) She should be treated with focal laser photocoagulation (E) Progression of retinopathy is unlikely at this stage
57	A 44 year old man presents with a four day history of back pain, deteriorating gait, and paraesthesiae in both hands and feet. On examination there is lower limb weakness bilaterally, areflexia and urinary retention. What is the most likely diagnosis? (A) Acute poliomyelitis (B) Brown-Sequard syndrome (C) Guillain-Barre syndrome (D) Lumbar canal stenosis (E) Subacute combined degeneration of the cord
58	A 45 year old woman develops a fever of 39°C and severe myalgia. Examination shows petechiae on the lower legs. A blood film is negative for malarial parasites. The WBC count is at the lower limit of normal and the platelet count is $35 \times 10^9/l$. What is the most likely diagnosis? (A) Plasmodium vivax malaria (B) Dengue Fever (C) Salmonella typhi (D) Rickettsia typhi (E) Plasmodium falciparum malaria
59	A 68 years old male presented with tremor in the hand that is most obvious when the patient is awake and trying to perform an action is most likely from disease in which of the following structures? (A) Thalamus (B) Cerebellum (C) Substantia nigra (D) Spinal cord (E) Internal capsule
60	A 36 year old male admitted with liver cirrhosis. Which one of the listed features is characteristic of portal hypertension? (A) Jaundice (B) Gynaecomastia (C) Spider telangiectases (D) Hepatomegaly (E) Oesophageal varices
61	A 20 year old female diagnosed case of SLE. Which one of the following characteristic clinical feature? (A) Raynaud's phenomenon and photosensitivity (B) Alopecia and livedo reticularis are absent (C) Erosive asymmetrical large joint arthritis (D) fibrosing alveolitis and glomerulonephritis (E) Pericarditis and endocarditis
62	A 30 year old female admitted with lower abdominal pain and subsequently diagnosed with acute glomerulonephritis syndrome. Which one of the following is best feature? (A) Bilateral renal angle pain and tenderness (B) Hypertension and periorbital facial edema (C) Oliguria > 800 ml and haematuria (D) Highly selective proteinuria (E) History of allergy with edema of the lips
63	A 56 year old man with polycythaemia vera is admitted with acute abdominal pain, nausea, vomiting and abdominal distension. He is afebrile with tender hepatomegaly and ascites, an ascitic tap reveals a high protein content and no organism. What is the most likely diagnosis? (A) Spontaneous bacterial peritonitis (B) Budd-Chiari syndrome (C) Venous-occlusive disease (D) Malignant liver disease (E) Haemochromatosis
64	In the treatment of thyrotoxicosis. Which one of the following is true? (A) Propranolol should not be given in atrial fibrillation (B) Carbimazole blocks the secretion of T3 and T4 by the thyroid (C) persistent suppression of the serum TSH is an indication for surgery (D) Serum TSH receptor antibodies usually persist despite carbimazole (E) Surgery is more likely to be necessary in young men than young women
65	A 54 years old woman is treated with oral amoxicillin 500 mg thrice daily for five days. Her respiratory symptoms improve, but she develops profuse diarrhea associated with fever. Examination reveals generalized abdominal tenderness. Stool culture is strongly positive for clostridium difficile and you suspect a diagnosis of pseudomembranous colitis. Which one of the following treatments would be most appropriate? (A) Ciprofloxacin (B) Co-amoxiclav (C) Erythromycin (D) Metronidazole (E) Trimethoprim
66	A 22 year old girl admitted with easy fatigability, she noticed increased pigmentation all over the body and had splenomegally. Her HB was 8.1 g/dl, MCV 58fl, MCHC 30 g/dl and serum ferritin was 1000 micro g/l. which one of the following most appropriate management? (A) Blood transfusion (B) Desferrioxamine (C) Iron therapy (D) Folic acid (E) Prednisolone
67	A 50 year old male had a history of COPD presented with obtundation and dyspnea. On admission ABG reveals type 1 respiratory failure. Which one of the following is most likely change. (A) Metabolic Acidosis (B) Respiratory Alkalosis (C) Respiratory Acidosis (D) Metabolic Alkalosis (E) Normal Acid base balance
68	A 16 year old girl develops acute anaphylactic reaction after an injection of penicillin. The treatment should commence with: (A) Inj Adrenalin (B) Inj Chlorpheniramine (C) Inj Hydrocortisone hemisuccinate (D) Saline infusion (E) Salbutamol nebulization
69	Artificial collections of water are breeding medium for: (A) Aedes (B) Anopheles (C) Culex (D) Mansonia

70	The best step to interrupt transmission of amoebiasis in a community is: (A) Filtration of drinking water (B) Chlorination of drinking water (C) Mass chemoprophylaxis (D) All of these.
71	Antigenic shift is seen in: (A) Influenza C (B) Influenza B (C) Influenza A (D) All of these
72	Which of the following vaccines must be stored in the freezer compartment of the refrigerator? (A) Measles (B) Oral Polio (C) Both A and B (D) None of these
73	The human diploid cell vaccine is used for prevention of: (A) Rabies (B) Varicella (C) Hepatitis A (D) Yellow fever
74	From following which type of Viral hepatitis is transmitted by feco-oral route? (A) Viral Hepatitis A (B) Viral Hepatitis B (C) Viral Hepatitis C (D) Viral Hepatitis D
75	Flu outbreaks that occur yearly, mainly in the late fall and winter is called: (A) Avian flu (B) Seasonal flu (C) Bird flu (D) Swine flu
76	Immunization programme in Pakistan includes: (A) Children below 06 years of age (B) Children below 05 years of age (C) Children below 03 years of age (D) Children below 01 year of age
77	Opportunistic infections are diseases that: (A) Is not life threatening to people with HIV / AIDS? (B) Develop the same in healthy people as in people with HIV / AIDS (C) Benefit from a vulnerable immune system (D) Are favorable side effects that help fight HIV / AIDS infections
78	WHO conducted the study, the incidence of polio in Sindh province having a total population of 20 million was 01 during the year 2007, which type of study was this: (A) Cross sectional (B) Case control (C) Cohort (D) Ecological
79	Cigarette smoking is a risk factor of: (A) Diabetes mellitus (B) Coronary heart disease (C) Lung cancer (D) Lymphoma
80	Jejunum differs from ileum in that it has: (A) Wider lumen (B) Thin wall (C) More lymphoid tissue (D) Never empty lumen (E) More arterial arcades in its mesentery.
81	Following structures are passing through foramen ovale; except: (A) Lesser petrosal nerve (B) Mandibular nerve (C) Middle meningeal artery (D) Accessory meningeal artery (E) An emissary vein
82	Post central gyrus is present in: (A) Temporal lobe (B) Parietal lobe (C) Occipital lobe (D) Frontal lobe (E) Marginal lobule
83	The urinary bladder is controlled by which spinal nerve roots? (A) L3, L4 (B) L5, S1, S2 (C) S2, S3, S4 (D) T12, L1 (E) L1, L2
84	A 65 year old man suffers a stroke. On examination he denies any weakness (paralysis) on his left upper and lower extremity. The lesion is most likely localized to: (A) Left post central gyrus (B) Right posterior parietal cortex (C) Posterior superior gyrus of left temporal lobe (D) Posterior inferior gyrus of left temporal lobe (E) None of these
85	Hypoglycemia is characterized by all the following except: (A) Blurring of vision (B) Headache (C) Dry skin (D) Pupillary dilatation (E) Hunger pain
86	In patient with chronic renal failure, which of the following suggest chronic rather than acute renal failure: (A) Microscopic hematuria (B) Renal bone disease (C) Pulmonary edema (D) Metabolic acidosis (E) Normal sized kidneys on ultrasonography
87	Which of the following viruses is not associated with cancer in human: (A) HIV (human immunodeficiency virus) (B) HBV (hepatitis B virus) (C) HPV (human papilloma virus) (D) HZV (herpes zoster virus) (E) EBV (Epstein-Barr virus)
88	Orthopnea can occur in each of the following condition except: (A) LVF (left ventricular failure) (B) COPD (chronic obstructive pulmonary diseases) (C) Pericardial effusion (D) Ascites (E) Acute massive pulmonary embolism
89	A pregnant woman develops deep, boring pain of her left thigh muscles associated with swelling and enhanced warmth of the same leg. The pain is worsened by extending the foot. The superficial veins of the leg are engorged. Her condition puts her at risk for which of the following: (A) Acute renal failure (B) Cerebral hemorrhage (C) Hepatic infarction (D) Myocardial infarction (E) Pulmonary embolus
90	A patient with respiratory symptoms undergoes bronchoalveolar lavage. Which of the following findings would be most suggestive that congestive heart failure is the cause of the symptoms? (A) Ciliated bronchial epithelial cells (B) Encapsulated pairs of small cocci (C) Hemosiderin-laden macrophages (D) Rhomboid-shaped crystals (E) Single hat-shaped structures that stain with silver stains.
91	The dopamine can act as a vasodilator in which of the following organs: (A) Brain (B) Stomach (C) Kidneys (D) Adrenal gland (E) Intestine
92	A person is suffering from upper motor neuron lesions. Which of the following is least likely: (A) Loss of superficial reflexes (B) Loss of deep tendon reflexes (C) Babinski's sign (D) Clonus (E) Spasticity
93	During cardiac catheterization of the normal pressure of right atrium should be: (A) 15 mm Hg (B) 10 mm Hg (C) 3-8 mm Hg (D) 50 mm Hg (E) 17 mm Hg
94	In chronic renal failure: (A) Anaemia is characteristically hypochromic and microcytic (B) Only 5% cases are due to diabetes and hypertension (C) Bilateral small kidneys on ultrasound are diagnostic of most of the causes of chronic renal failure (D) Radiologic evidence of renal osteodystrophy exclude the diagnosis of CRF (E) Chronic renal failure is potentially a reversible disease
95	In peptic ulcer disease: (A) Chronic H-pylori infection is one of the important cause for most of duodenal and gastric ulcers (B) Rhythmicity and periodicity are not the classic features in peptic ulcer disease (C) Proton pump inhibitors cause importance (D) Proton pump inhibitors decrease plasma gastrin level (E) Oral prednisolone is used to treat the peptic ulcer
96	Which one of the following agents is most likely to cardiovert atrial fibrillation to sinus rhythm? (A) Sotalol (B) Procainamide (C) Flecainide (D) Disopyramide (E) Digoxin
97	Death from influenza is usually due to: (A) Encephalitis (B) Tracheobronchitis (C) Pneumonia (D) Myocarditis (E) Adrenal collapse
98	PR interval is: (A) Interval from onset of P wave to onset of QRS complex (B) 0.3 seconds (C) 0.03 to 0.06 seconds (D) Prolonged in AV nodal rhythm
99	Repolarization of atria: (A) Is represented by U wave (B) Is not recorded normally (C) Is represented by descending limb of 'P' wave (D) Has no electrical property
100	A person's electrocardiogram (ECG) has no P wave, but has a normal QRS complex and a normal T wave. Therefore, his pacemaker is located in the: (A) Sinoatrial (SA) node (B) Atrioventricular (AV) node (C) Bundle of His (D) Purkinje system (E) Ventricular muscle

SERIAL NO.: 001063

SINDH PUBLIC SERVICE COMMISSION, HYDERABAD

PRE-INTERVIEW WRITTEN TEST FOR THE POST OF VETERINARY OFFICER BPS-17 IN LIVESTOCK & FISHERIES DEPARTMENT, GOVERNMENT OF SINDH.

Signature of Addl: Supervisor _____

FOR USE OF CANDIDATE ONLY	
ROLL NO:	_____
NAME:	_____
FATHER'S NAME	_____
CENTRE:	_____
CANDIDATE'S SIGNATURE	_____

MONDAY THE 29TH JUNE, 2009
Time: 11.00 A.M to 12.30 P.M.

Total Marks: 100

QUESTION PAPER/ANSWER SHEET.

General Instructions

- Candidates are to attempt all questions . All questions carry equal marks.
- Write your Roll No., Name, Father's Name & Centre on the Answer Sheet WITHIN THE SPACE PROVIDED.
- DO NOT WRITE THESE DATA ANYWHERE ELSE ON THE ANSWER SHEET. DOING SO WILL RENDER THE CANDIDATE DISQUALIFIED.**
- Each mistake made will result in deduction of ½ mark.**
- CIRCLE the appropriate box in the Answer Sheet with BLUE or BLACK BALL POINT pen only.**
- SIGN YOUR ANSWER SHEET IN SPACE PROVIDED.**
- Return your Question paper/Answer Sheet when you complete.

QUESTION NO:		ANSWER.			
01	Loose connective tissues and many _____ are present in the tunica sub mucosa and tunica adventitia of the esophagus: (A) Blood vessels (B) Lymph (C) Elastic fibers (D) Capillaries	A	B	C	D
02	The anterior two third of the tongue is filled with and posterior one third with lymphoid tissue: (A) Connective tissue (B) Skeletal muscles (C) Smooth muscle (D) Cardiac muscle.	A	B	C	D
03	Is composed of prisms and interprismatic substances which are 96 to 99% inorganic: (A) Dentin (B) Pre-dentin (C) Enamel (D) Cementum.	A	B	C	D
04	Serous glands produce a serous secretory product containing: (A) Pepsin (B) Lipase (C) Protease (D) Amylase	A	B	C	D
05	Esophagus of the large ruminant is characteristically thrown into longitudinal folds: (A) Tunica sub mucosa (B) Tunica muscularis (C) Tunica mucosa (D) Tunica serosa.	A	B	C	D

~~~~~ PAGE NO: 01 OF 07 ~~~~~



## FOR OFFICE USE ONLY

|    |                                                                                                                                                                                                                                                                                                                                              |   |   |   |   |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|
| 06 | The surface which is near to the _____ is called as medial and away from it is called lateral:<br>(A) Fore limb (B) Hind limb (C) skeleton (D) Mid line.                                                                                                                                                                                     | A | B | C | D |
| 07 | The long bone has proximal and distal extremities. The _____ also called as body of the bone:<br>(A) Epiphysis (B) Diaphysis (C) Shaft (D) Neck                                                                                                                                                                                              | A | B | C | D |
| 08 | The largest foramen in the body is called as Obturator foramen and is present in the:<br>(A) Humerus (B) Radius (C) Pubis (D) Metacarpus                                                                                                                                                                                                     | A | B | C | D |
| 09 | Enucleate (in mammals), function in transport of gasses ( CO <sub>2</sub> and O <sub>2</sub> ) , contain hemoglobin , live about 130 days, with antigens on surface and are called;<br>(A) Megakaryocytes (B) Lymphocytes (C) Erythrocytes (D) Monocytes.                                                                                    | A | B | C | D |
| 10 | Outside the CNS there are special cells that insulate axons:<br>(A) Muscle cells (B) Plasma cells (C) Pigment cells (D) Schwann cells.                                                                                                                                                                                                       | A | B | C | D |
| 11 | Contraction of the ischiocavernosus muscle in the bull:<br>(A) Pulls the testis up against the external inguinal ring<br>(B) Assists in emptying the urethra<br>(C) Pulls the penis upward against the floor of the pelvis, which obstructs venous outflow, thereby assisting erection<br>(D) Pulls the flaccid penis back into the prepuce. | A | B | C | D |
| 12 | Which one of the following best describes the action of LH in the female:<br>(A) causes lysis CL (B) Increase motility and blood supply to uterus<br>(C) Assist in the maturing of an ovarian follicle, its rupture, and subsequent development of and maintenance of CL<br>(D) Stimulate the leydig cells to secrete testosterone.          | A | B | C | D |
| 13 | Which hormone increased greatly just before ovulation:<br>(A) FSH (B) Estrogen (C) LH (D) Progesterone                                                                                                                                                                                                                                       | A | B | C | D |
| 14 | Which one of the following best describes the action of FSH (Follicle Stimulating Hormone) in the female:<br>(A) Reduces the size of CL<br>(B) Causes granulosa cells to convert androgen to estrogen<br>(C) Assist in maturation of ovarian follicles<br>(D) Stimulate the interstitial cells to secrete testosterone                       | A | B | C | D |

*Signature of Addl. Supervisor: - - - - -*

|    |                                                                                                                                                                                                                                                                                                                                                                                                                             |   |   |   |   |   |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|
| 15 | How many functional placentomes are present in cow:<br>(A) 120-150 (B) 90 – 120 (C) 60 -80 (D) 20 – 50                                                                                                                                                                                                                                                                                                                      | A | B | C | D |   |
| 16 | Which one of the following hormones is involved in regression of corpus luteum in farm animals:<br>(A) Prostaglandin (B) Progesterone (C) FSH (D) LH                                                                                                                                                                                                                                                                        | A | B | C | D |   |
| 17 | Which one of the following condition refers to the Fetal death without involution of CL and fetal expulsion:<br>(A) Fetal Mummification (B) Fetal Maceration (C) Hydro allantios (D) Fetal monsters.                                                                                                                                                                                                                        | A | B | C | D |   |
| 18 | Lochia is the normal secretion during:<br>(A) Pregnancy (B) Estrus (C) Postpartum (D) Parturition                                                                                                                                                                                                                                                                                                                           | A | B | C | D |   |
| 19 | Dystocia means:<br>(A) Difficult birth (B) Still birth (C) Premature birth (D) Normal birth                                                                                                                                                                                                                                                                                                                                 | A | B | C | D |   |
| 20 | The cervix:<br>(A) Is a heavy smooth muscle sphincter<br>(B) Is tightly closed except during estrus and parturition<br>(C) Has a goblet cell secretions seen at estrus and during pregnancy<br>(D) All of these.                                                                                                                                                                                                            | A | B | C | D |   |
| 21 | Estrogen level increases in the female when _____ level increases.<br>(A) Progesterone (B) Androgen (C) FSH (D) Oxytocin                                                                                                                                                                                                                                                                                                    | A | B | C | D |   |
| 22 | The theca interna;<br>(A) Is the outer cell layer of primary and antral follicles<br>(B) Has LH receptors and secrete androgen<br>(C) Has FSH receptors and converts androgen to estrogen (D) Secrete estrogen.                                                                                                                                                                                                             | A | B | C | D |   |
| 23 | Which one of the following is seasonally polyestrous animal:<br>(A) Cow (B) Sow (C) Bitch (D) Ewe                                                                                                                                                                                                                                                                                                                           | A | B | C | D |   |
| 24 | How does the sperm break through the egg cell membrane:<br>(A) Tears a hole in the membrane (B) Dissolves the membrane with chemicals<br>(C) Bites through the membrane with teeth<br>(D) Squeezes through gaps in the membrane.                                                                                                                                                                                            | A | B | C | D |   |
| 25 | In the growing inside the uterus nutrients are provided by:<br>(A) Placenta (B) Amniotic sac (C) Uterus (D) Oviduct                                                                                                                                                                                                                                                                                                         | A | B | C | D |   |
| 26 | The mature follicle produces:<br>(A) Progesterone (B) Estrogen (C) Testosterone (D) FSH (E) LH                                                                                                                                                                                                                                                                                                                              | A | B | C | D | E |
| 27 | Spermatozoa carrying X chromosomes produce _____ embryos upon fertilization of an oocyte:<br>(A) Male (B) Female (C) Freemartin (D) Twins.                                                                                                                                                                                                                                                                                  | A | B | C | D |   |
| 28 | An adult goat is presented with fever, an obvious white opacity in one eye, weeping and blepharospasm and skew deviation of the same eye. paresis and lateral deviation of the head. Which one of the following diseases is the likely diagnosis?<br>(A) Listeriosis (B) Infectious Kerato-conjunctivitis<br>(C) Coliform meningo-encephalitis<br>(D) Bovine malignant catarrh ( malignant catarrhal fever) (E) Coccidiosis | A | B | C | D | E |
| 29 | Which one of the following physical factors, when applied to animals during pregnancy, is known to cause congenital defects?<br>(A) High altitude (B) Severe cold (C) High temperatures<br>(D) Exposure to high levels of ultraviolet irradiation (E) Constant wetness.                                                                                                                                                     | A | B | C | D | E |
| 30 | Of the following surgical procedures the one which carries the poorest success rate in correcting left sided displacement of the abomasums is:<br>(A) Left sided laparotomy with replacement only of the abomasum<br>(B) Right sided laparotomy with fixation of the pylorus<br>(C) Paramedian laparotomy with fixation of the abomasums<br>(D) Roll and toggle technique.                                                  | A | B | C | D |   |
| 31 | Which term is best suited to contrast study of the lymphatic vessels:<br>(A) Angiography (B) Lymphography (C) Myelography (D) Sialography                                                                                                                                                                                                                                                                                   | A | B | C | D |   |
| 32 | Which one of the following suture technique can be used most effectively in the anastomosis of small intestine?<br>(A) Vertical mattress suture technique (B) Horizontal mattress suture technique<br>(C) Cushing suture technique (D) Two half hitch surgical knot.                                                                                                                                                        | A | B | C | D |   |

|    |                                                                                                                                                                                                                                                                                                                                                    |   |   |   |   |   |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|
| 33 | Infection and necrosis of lateral cartilage of the pedal bone in horse is called:<br>(A) Bruisitis (B) Quittor (C) Thrush (D) Corns.                                                                                                                                                                                                               | A | B | C | D |   |
| 34 | Lactose is hydrolyzed by enzyme:<br>(A) Lipase (B) $\beta$ -D-Galactosidase (C) $\beta$ -Glycosidase                                                                                                                                                                                                                                               | A | B | C |   |   |
| 35 | A veterinarian is consulted regarding 3-year old cow, with dry skin, eye balls shrink into the sockets, and polydipsia. Which one of the following is the likely diagnosis?<br>(A) Dehydration (B) Ruminal tympany (C) Gastritis (D) Stomatitis<br>(E) Simple indigestion                                                                          | A | B | C | D | E |
| 36 | A horse suffering from an acute intestinal accident is most likely to have:<br>(A) Primary respiratory acidosis (B) Primary respiratory alkalosis<br>(C) Primary metabolic alkalosis<br>(D) Primary metabolic acidosis with secondary respiratory alkalosis.                                                                                       | A | B | C | D |   |
| 37 | Which one of the listed causes, is most common cause of Anaphylaxis in horses:<br>(A) Acute blood loss due to blood protozoan<br>(B) Iron deficiency due to metabolic disorders<br>(C) Acute allergic conditions due to Ag x Ab reaction<br>(D) Reticuloperitonitis (E) All of these.                                                              | A | B | C | D | E |
| 38 | Inflammation of any of the salivary gland is:<br>(A) Glossitis (B) Palatitis (C) Parotitis (D) Gingivitis (E) Stomatitis                                                                                                                                                                                                                           | A | B | C | D | E |
| 39 | Which one of the listed below causes, is the most common cause of diaphragmatic hernia in animals:<br>(A) Physical obstruction of the esophagus (B) Traumatic Reticuloperitonitis<br>(C) Low grade roughages<br>(D) Excessive eating of roughages (E) Sudden change in feed.                                                                       | A | B | C | D | E |
| 40 | An adult cow is presented with anorexia, distension of abdomen (obvious in upper left flank), marked dyspnea and protrusion of tongue. Which one of the following diseases is the likely diagnosis?<br>(A) Gastritis (B) Simple indigestion (C) Traumatic pericarditis<br>(D) Intestinal tympany (E) Ruminal tympany                               | A | B | C | D | E |
| 41 | Of the clinical findings listed below, the most supportive of the diagnosis of liver failure in large animals is:<br>(A) Hypoalbuminemia in ruminants (B) Ascites in large animals<br>(C) Pale faeces in large animals (D) All of these (E) None of these.                                                                                         | A | B | C | D | E |
| 42 | The resting rectal temperature of a clinically normal goat is usually within the range of:<br>(A) 99 – 100.5° F (B) 100 – 102.5° F (C) 101.5 – 104.5° F (D) 99.5 – 101.5° F<br>(E) 102.0 – 105.5° F                                                                                                                                                | A | B | C | D | E |
| 43 | Heart failure characterized by sudden loss of consciousness, falling with or without convulsions, severe pallor of mucous membrane and d-BR (in some cases recovery). What would be the diagnosis?<br>(A) Congestive heart failure (B) Peripheral heart failure (C) Acute heart failure<br>(D) None of them.                                       | A | B | C | D |   |
| 44 | Which one of the following abnormalities produces a systolic murmur in horse?<br>(A) Mitral valve stenosis (B) Aortic valve insufficiency<br>(C) Mitral valve insufficiency (D) Persistent right aortic arch<br>(E) Tricuspid valve stenosis.                                                                                                      | A | B | C | D | E |
| 45 | Oxygen therapy is used in valuable calves and foals over a period of critical hypoxia. The volume of oxygen used in 90 Kg (200 lb) animal would be:<br>(A) 4 – 6 liters/minute (B) 4 – 8 Liters/minute (C) 4 – 10 Liters/minute<br>(D) 4 – 14 Liters/minute                                                                                        | A | B | C | D |   |
| 46 | When depression of respiratory center occurs, the use of respiratory stimulants is advisable. The most effective respiratory stimulant is carbon dioxide and can be used most efficiently with mixture of oxygen. Carbon dioxide used with oxygen usually within the range of:<br>(A) 5 – 10 % (B) 5 – 20 % (C) 5 – 30 % (D) 5 – 40 % (E) 5 – 50 % | A | B | C | D | E |
| 47 | Accumulation of lymph in the thoracic cavity is:<br>(A) Hydrothorax (B) Hemothorax (C) Pneumothorax (D) Chylothorax                                                                                                                                                                                                                                | A | B | C | D |   |
| 48 | Presence of casts and cells in the urine is an indication of:<br>(A) Nephritis (B) Renal ischemia (C) Urolithiasis (D) Nephrosis (E) Cystitis.                                                                                                                                                                                                     | A | B | C | D | E |

*Signature of Addl. Supervisor: - - - - -*

|    |                                                                                                                                                                                                                                                                                                                                      |   |   |   |   |   |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|
| 49 | Urolithiasis is a common complication of:<br>(A) Pregnant cows (B) Castrated male ruminants (C) Confined animals<br>(D) Hand feed animals.                                                                                                                                                                                           | A | B | C | D |   |
| 50 | A farmer tells you about a complete retention of urine in castrated male ram with distention of urinary bladder. Which one of the following would be your diagnosis?<br>(A) Interstitial nephritis (B) Pyelonephritis (C) Nephrosis (D) Urolithiasis<br>(E) Embolic nephritis.                                                       | A | B | C | D |   |
| 51 | Bacillus anthracis was first identified by:<br>(A) Robert Koch, 1873 (B) Löffler and Froch, 1897 – 1900<br>(C) Nicole and Bey, 1902 (D) Rossenbusch and Merchant, 1939                                                                                                                                                               | A | B | C | D |   |
| 52 | Brucella abortus can be transmitted from cattle to farmers in many ways. The most likely is:<br>(A) Percutaneous infection from unpasteurised milk (B) Percutaneous infection after handling aborted foetus (C) Inhalation of infective droplets<br>(D) Conjunctival exposure (E) Ingestion of meat from infected animals.           | A | B | C | D | E |
| 53 | Hemorrhagic septicemia in animal can be best controlled by:<br>(A) Vaccination (B) Antibiotic therapy (C) Preventing stress of animals<br>(D) Fresh food.                                                                                                                                                                            | A | B | C | D |   |
| 54 | Cow is presented with high temperature, gangrenous and emphysematous myositis, crepitation, swelling in heavy muscles like gluteal muscles. What would be the diagnosis?<br>(A) Anthrax (B) Tetanus (C) Black quarter (D) Botulism                                                                                                   | A | B | C | D |   |
| 55 | The NIRD program is a:<br>(A) Basic control program of mastitis (B) Basic control program of rinderpest<br>(C) Basic control program of foot and mouth disease<br>(D) Basic control program of anthrax.                                                                                                                              | A | B | C | D |   |
| 56 | An acute and highly fatal toxemia of cattle and sheep, caused by cl. hemolyticum, clinically manifested by a high fever, Hemoglobinuria, jaundice and by the presence of necrotic infarcts in the liver. Diagnose the disease?<br>(A) Bacillary hemoglobinuria (B) Post – parturient hemoglobinuria (C) Black disease (D) Babesiosis | A | B | C | D |   |
| 57 | Transmission of Mycobacterium tuberculosis in housed cattle occurs through:<br>(A) Feed (B) Stagnant drinking water (C) Inhalation (D) Milk                                                                                                                                                                                          | A | B | C | D |   |
| 58 | Rinder pest infection spreads via the:<br>(A) Placenta (B) Upper respiratory tract (C) Semen (D) Urinary tract                                                                                                                                                                                                                       | A | B | C | D |   |
| 59 | The virus of Bovine viral diarrhea belongs to the genus:<br>(A) Pestivirus (B) Morbillivirus (C) Parapoxvirus (D) Lyssavirus<br>(E) Vesiculovirus                                                                                                                                                                                    | A | B | C | D | E |
| 60 | The most important method of spread of blue tongue among sheep is:<br>(A) Infected feed and drinking water (B) Blood sucking midges (Culicoides)<br>(C) Sand flies (Ceratomyxidae) (D) Mosquitoes (Culex)                                                                                                                            | A | B | C | D |   |
| 61 | South Asian Association Regional Co-operation Headquarter is at:<br>(A) Katmandu (B) Islamabad (C) New Delhi (D) Colombo                                                                                                                                                                                                             | A | B | C | D |   |
| 62 | Which of the following is known as “Evening Star”?<br>(A) Mars (B) Saturn (C) Venus (D) Jupiter.                                                                                                                                                                                                                                     | A | B | C | D |   |
| 63 | Asteroids orbit in between the planets:<br>(A) Mercury and Venus (B) Earth and Mars (C) Mars and Jupiter<br>(D) Jupiter and Saturn                                                                                                                                                                                                   | A | B | C | D |   |
| 64 | Aurora borealis is observed in:<br>(A) Australia (B) Antarctica (C) Alaska (D) London                                                                                                                                                                                                                                                | A | B | C | D |   |
| 65 | Logarithms were invented by:<br>(A) John Milton (B) John Deere (C) John Hobbs (D) John Napier                                                                                                                                                                                                                                        | A | B | C | D |   |
| 66 | Germ Theory was introduced by:<br>(A) Louis Gating (B) Louis Pasteur (C) Edward Jenner (D) Howard Johnson                                                                                                                                                                                                                            | A | B | C | D |   |
| 67 | Fiber Optics was invented by:<br>(A) Dupont (B) Smith Erickson (C) Peter Schultz (D) Edward Horlicks                                                                                                                                                                                                                                 | A | B | C | D |   |

|    |                                                                                                                                                                                                                                                                                                                                                               |   |   |   |   |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|
| 68 | Quaid-i-Azam Muhammad Ali Jinnah is known as a :<br>(A) Constitutional and Political leader (B) Social leader<br>(C) A reformist dynamic leader (D) A moderate revolutionist leader.                                                                                                                                                                          | A | B | C | D |
| 69 | The buildings constructed by which Mughal ruler represent the climax in the evolution of Mughal architecture?<br>(A) Akbar (B) Jehangir (C) Aurangzeb (D) Shah Jahan                                                                                                                                                                                          | A | B | C | D |
| 70 | Pick out the three basic beliefs of Islam:<br>(A) Kalimah, Salat, Hajj (B) Tauheed, Salat, Roza<br>(C) Tauheed, Namaz, Hajj (D) Tauheed, Risalat, Akhirat.                                                                                                                                                                                                    | A | B | C | D |
| 71 | Whom Jinnah appointed as Governor of Punjab:<br>(A) Khizar Hayat Tiwana (B) Malik Feroze Khan Noon (C) Sir Francis Mudie<br>(D) I. I. Chundrigar.                                                                                                                                                                                                             | A | B | C | D |
| 72 | The strategy of "Divide and Rule" was adopted by:<br>(A) Lord Curzon (B) Lord Minto (C) Lord Canning (D) Lord Wellesley                                                                                                                                                                                                                                       | A | B | C | D |
| 73 | A closed bottle containing water at 30° C is carried to the moon in a spacecraft . If it is placed on surface of the moon, what will happen to water as soon as the lid is opened?<br>(A) Water will begin to boil (B) Water will freeze<br>(C) Nothing will happen to the physical state of water<br>(D) Water will dissociate into Hydrogen and Oxygen gas. | A | B | C | D |
| 74 | Which of the following guides us how to say the Prayer (Salat)?<br>(A) The Holy Quran (B) The Hadith (C) The Sunnat (D) Ijma                                                                                                                                                                                                                                  | A | B | C | D |
| 75 | The main characteristics of the Indus Valley Civilization is:<br>(A) Drainage System (B) Town Planning (C) Puca Houses<br>(D) Well-laid-out roads                                                                                                                                                                                                             | A | B | C | D |
| 76 | What was the Kunyyat of Hazrat Abu Bakr (R.A):<br>(A) Abu Sulaiman (B) Abu Jaffar (C) Abu Hamza (D) Abu Abdullah                                                                                                                                                                                                                                              | A | B | C | D |
| 77 | The mausoleum of Sher Shah is at:<br>(A) Lahore (B) Delhi (C) Sasaram (D) Mumbai                                                                                                                                                                                                                                                                              | A | B | C | D |
| 78 | The Newspaper "COMRADE" was established by:<br>(A) Maulana Abul Kalam Azad (B) Maulana Muhammad Ali Jauhar<br>(C) Maulana Shoukat Ali (D) Quaid-i-Azam Muhammad Ali Jinnah                                                                                                                                                                                    | A | B | C | D |
| 79 | The Indus Valley Civilization flourished during:<br>(A) 5000 – 3500 BC (B) 3000 – 1500 BC (C) 2500 – 1000 BC (D) 1500 – 500 BC                                                                                                                                                                                                                                | A | B | C | D |
| 80 | A cloud may form when moist air rises because:<br>(A) The air pressure increases (B) The air is cooled to its dew-point or below.<br>(C) The dew-point increases (D) Additional water vapour is added to the air.                                                                                                                                             | A | B | C | D |
| 81 | Gandhara school of Art developed during the time of:<br>(A) Sokas (B) Kushans (C) Sungas (D) Mauryas                                                                                                                                                                                                                                                          | A | B | C | D |
| 82 | An object appears to have a particular colour the way it absorbs or reflects the varying wavelengths of light rays. For example, if it reflects all wavelengths or nearly all, it appears.<br>(A) Black (B) Red (C) White (D) Blue                                                                                                                            | A | B | C | D |
| 83 | Pick out the Surah of the Holy Quran which throws light on Barzakh:<br>(A) Al-akhlās (B) Al-Falaq (C) Al-Baqrah (D) Al-Momineen                                                                                                                                                                                                                               | A | B | C | D |
| 84 | Which Surah of the Holy Quran throws light on Halal and Haraam and sacrificial animals?<br>(A) Al-e-Imran (B) Al-Nahal (C) al-Maeda (D) Al-Raad                                                                                                                                                                                                               | A | B | C | D |
| 85 | Which of the following metals was not known to Indus Valley People?<br>(A) Copper (B) Bronze (C) Iron (D) None of these.                                                                                                                                                                                                                                      | A | B | C | D |
| 86 | Give the name of the Surah of the Holy Quran to which Ayat-UI-Kusi belongs:<br>(A) Surah Al-Baqrah (B) Surah Younas (C) Surah Namal (D) Surah Maeda                                                                                                                                                                                                           | A | B | C | D |

*Signature of Addl. Supervisor: - - - - -*

|     |                                                                                                                                                                                                                                                                               |   |   |   |   |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|
| 87  | Pakistan's Cruise missile Hatf-VII is equivalent to India's :<br>(A) Agni II missile (B) Brahmos missile (C) Akash missile<br>(D) Parkash missile                                                                                                                             | A | B | C | D |
| 88  | Who was the worst enemy of the Holy Prophet (PBUH) in Makkah and was killed in the battle of Badr?<br>(A) Abu Sufiyan (B) Zubair Bin Mataam (C) Abu Lahab (D) Abu Jehal                                                                                                       | A | B | C | D |
| 89  | In Iraq and Iranian war, Saddam Army killed Kurd population by using:<br>(A) Aerial carpet bombing (B) Concealed mines (C) Nerve gas<br>(D) Ground artillery                                                                                                                  | A | B | C | D |
| 90  | What was the age of Hazrat Muhammad (PBUH) when he first traveled to Syria alongwith his uncle Hazrat Abu Talib?<br>(A) 12 years (B) 14 years (C) 16 years (D) 18 years.                                                                                                      | A | B | C | D |
| 91  | To which issue between India and Pakistan is related the term "Green Line".<br>(A) Siachen (B) Kishan Ganga (C) Sir Creek (D) Baglihar.                                                                                                                                       | A | B | C | D |
| 92  | The European Union originated through European Coal Steel Community which became operational in 1953; the idea was put forwarded in 1950 by:<br>(A) D.W. Eisenhower (B) Henry Kissinger (C) Chailres de Gaulle<br>(D) Robert Schuman                                          | A | B | C | D |
| 93  | Plebiscite Resolution passed by the Security Council was adopted on:<br>(A) January 7, 1948 (B) January 10, 1948 (C) January 17, 1948<br>(D) January 27, 1948                                                                                                                 | A | B | C | D |
| 94  | Which of the following is Pakistan's farthest city along coastline:<br>(A) Jeewani (B) Ormara (C) Pasni (D) Gawadar                                                                                                                                                           | A | B | C | D |
| 95  | Gawadar is Pakistan's:<br>(A) Naval base (B) Deep sea port (C) Strategic military base<br>(D) Marine fisheries port.                                                                                                                                                          | A | B | C | D |
| 96  | The Baglihar Dam constructed by India diverts and stores water of:<br>(A) Ravi river (B) Sutlej river (C) Indus river (D) Chenab river                                                                                                                                        | A | B | C | D |
| 97  | Which Surah is called "Zeenat-e-Quran:<br>(A) Surah Rehman (B) Surah Yousaf (C) Surah Maryam (D) Surah Younas                                                                                                                                                                 | A | B | C | D |
| 98  | Artillery piece 'TANK' was brain child of:<br>(A) General Patten (B) Adolph Hitler (C) Sir Winston Churchill<br>(D) General Romel                                                                                                                                             | A | B | C | D |
| 99  | Which year is declared as Aam-ul-Huzn because during this year, Hazrat Abu Talib and Hazrat Khadijah (R.A) died and the Holy prophet (PHUH) felt grieved?<br>(A) 7 <sup>th</sup> Nabvi year (B) 8 <sup>th</sup> Nabvi year (C) 10 <sup>th</sup> Nabvi year (D) None of these. | A | B | C | D |
| 100 | Simla Pact was signed between:<br>(A) Z.A. Bhutto and Sardar Sawaran Singh (B) Benazir Bhutto and Rajiv Gandhi<br>(C) Z.A. Bhutto and Indira Gandhi (D) None of these.                                                                                                        | A | B | C | D |



# **Sindh Public Service Commission, Hyderabad.**

## **Pre-Interview Written Test For Recruitment To The Posts Of Assistant Director Public Awareness (B-17) In Environment & Alternative Energy Department, Planning Officer In Different Sections Under Planning & Development Department & Law Officer (B-17) In Mines & Minerals Development Department, Government Of Sindh**

Tuesday the 16<sup>th</sup> June, 2015.  
10:00 am to 01:00 pm

Max marks: 100

---

---

**Note: Attempt All Questions, All Questions Carry equal Marks.**

---

---

| <b>Question No:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Marks</b> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 01 Write an organized essay on any one of the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20           |
| (i) Life is not a bed of roses.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |
| (ii) Pakistan is rich in natural resources but poor in their management.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |
| (iii) The role and responsibilities of an ideal bureaucrat.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |
| (iv) Money is a good servant, but a bad master.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |
| 02 Make a précis of the following passage and give it an appropriate heading:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 20           |
| <p>Fascism in the words of Mussolini believes that war does bring up to its highest tension all human energy and puts the stamp of nobility upon the people who have the courage to meet it. Again a doctrine which is founded on the harmful postulate of peace is hostile to fascism. The fascist then is one who believes that the bombardment of open towns with fire, poison and explosives (in other words modern war) is intrinsically good. He is one who rejects the teachings of the prophets and believes that the best society is national society living in a state of chronic hostility towards other national societies and preoccupied with ideas of slaughter. He is one who despises non attached individual and hold up for admiration the person who, in obedience to the boss who happens at the moment to have grabbed a political power systematically cultivates all the passion (pride, danger, envy, hatred) which the philosophers and the founders of religions have unanimously condemned as the least worthy of human beings. All fascist planning, therefore, has but one aim to make the national society more efficient as a war machine. Industry, commerce and finance are all controlled for this purpose.</p> |              |
| 03 (a) Write an application to the Chief Engineer WAPDA for reduction of load shedding hours and change of its timing in your locality.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 10           |
| 03 (b) Choose any five of the following pairs of words. Define them and use them in sentences of your own which bring out the difference in their meaning.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10           |
| (i) Veracity, Voracity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |
| (ii) Ordnance, Ordinance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |
| (iii) Lose, Loose                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |
| (iv) Nay, Neigh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |
| (v) Quite, Quiet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |
| (vi) Eruption, Irruption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |
| (vii) Insure, Ensure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |
| (viii) Mare, Mayor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |

04 (a) Given below are the groups of spellings commonly miss-spelt. Choose the correct one and use in your own sentences. Attempt any five. 10

1. (i) Professor (ii) Proffesor (iii) Profesor (iv) Proffessor
2. (i) Contamporary (ii) Contemporary (iii) Contemprary (iv) Cuntemporary
3. (i) Hipercritical (ii) Hypercretecal (iii) Hypercritical (iv) Hypercritcal
4. (i) Millioneare (ii) Millionere (iii) Milioniare (iv) Millionaire
5. (i) Dillema (ii) Dilemma (iii) Dillemma (iv) Dellema
6. (i) Capasious (ii) Capacious (iii) Capashious (iv) Kapacious
7. (i) Misanthrop (ii) Misentrophe (iii) Misanthrope (iv) Misentrophe

04 (b) Give meanings of any five of the following idioms / phrases and use in your own sentences: 10

- (i) A pillar of the society
- (ii) Iron out
- (iii) The sixth sense
- (iv) A child's play
- (v) At the eleventh hour
- (vi) Hotchpotch
- (vii) In full swing

05 (a) Do as directed any five of the following: 10

- (i) One should check the details (Change the Voice)
- (ii) Can I see your ticket please (Change the narration)
- (iii) My father often told me, "Every obstacle is a stepping stone to success. You should view problems in your life and opportunities to prove yourself". (Change the narration)
- (iv) To turn friends into enemies. (Change the narration)
- (v) I asked Marry if she could lend me a pen (Change the narration)
- (vi) The letter is \_\_\_\_ Karachi (Insert correct preposition)
- (vii) It's been raining (Change the narration)

05 (b) Translate into English 10

هوءَ هڪ خط پڙهي ٿي ۽ سموريون عورتون اهو ٻڌن ٿيون، خط جو مضمون ٻڌي عورتون پنهنجي پنهنجي نظريه مطابق ان تي تنقيد ڪن ٿيون. جيئن ئي خط جو مضمون ختم ٿئي ٿو فلا ڊيلفيا پڇندي اندر اچي ٿي ۽ ٻڌائي ٿي ته هينئر هينئر خبر آئي آهي ته بادشاهه جنگ کٽي ورتي آهي. ان ئي وقت ٻاهران آواز اچي ٿو ته خط آيو آهي. سب عورتون گڏ ٿيون. ڊاڪ آڻڻ وارو ڳوٺ جي نوجوانن جا نالا وٺڻ لڳي ٿو جيڪي جنگ ۾ مارجي ويا آهن. انهن ۾ جون بيربيگڊ جو مڙس ۽ مسٽريس نيو جو پٽ به شامل آهن. جيڪي ٻڌي اهي عورتون خاموش ٿي وڃن ٿيون ۽ هڪدم روئڻ لڳن ٿيون ۽ بيخبري ۾ اڳتي وڌي هڪ ٻئي کي پاڪر پائڻ ٿيون ۽ هڪ ٻئي جي دشمني وساري ويهن ٿيون.

وہ ایک خط پڑھتی ہے اور سب خواتین وہ سنی ہیں۔ خط کا مضمون سن کر خواتین اپنے اپنے نظریہ کے مطابق اس پر تنقید کرتی ہیں۔ جیسے ہی خط کا مضمون ختم ہوتا ہے فلاڈیلفیا بھاگ کر اندر آتی ہے اور بتاتی ہے کہ ابھی ابھی خبر آئی ہے کہ بادشاہ نے جنگ جیت لی ہے۔ اسی وقت باہر سے آواز آتی ہے کہ خط آیا ہے۔ سب خواتین اکٹھی ہوتی ہیں۔ ڊاڪ لے کر آنے والا ڳوٺ کے نوجوانوں کے نام لیے لگتا ہے جو جنگ میں مارے گئے ہیں۔ ان میں جون بیربیگڈ کا شوهر اور مسٽریس نیو کا پٽا بھی شامل ہیں۔ جو سن کر تمام خواتین خاموش ہو جاتی ہیں اور اڇانڪ رونے لگتی ہیں اور بے خیالی میں آگے بڙھ کر ایک دوسرے کو گلے سے لڳاتی ہیں اور ایک دوسرے کی دشمنی بھول جاتی ہیں۔

\*\*\*\*\*The End\*\*\*\*\*

019041

SERIAL NO: \_\_\_\_\_

Signature of Addl: Supervisor \_\_\_\_\_

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD**  
**PRE-INTERVIEW WRITTEN TEST FOR THE POST OF LECTURER COMPUTER SCIENCE BPS-17**

**FOR USE OF CANDIDATE ONLY**

ROLL NO \_\_\_\_\_

NAME \_\_\_\_\_

FATHER'S NAME \_\_\_\_\_

CENTRE \_\_\_\_\_

SIGNATURE OF CANDIDATE \_\_\_\_\_

Wednesday the 2<sup>nd</sup> February, 2011

Time: 11:00 am to 12:00 noon

Total marks: 100

**QUESTION PAPER / ANSWER SHEET**

**General instructions to the candidates.**

1. Candidates are to attempt all questions.
2. Write your Roll No., Name, Father's Name & Centre on the answer Sheet within the space provided.
3. Do not write these data anywhere else on the answer sheet. Doing so will render the candidate disqualified.
4. Circle appropriate box in the Answer Sheet with Blue or Black Ball point pen only. Use of pencil is not allowed.
5. Each incorrect answer given will result in deduction of 1/2 (half) mark.
6. Sign your answer sheet in space provided.
7. Return your question paper / Answer sheet after attempting the question paper completely.

**MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. NO CANDIDATE IS ALLOWED TO CARRY THIS QUESTION PAPER/ANSWER SHEET OUT OF THE EXAMINATION HALL.**

| Question No:                                                                                                                                                                                                                          | ANSWER  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 01. Which of the following data structure can't store the non-homogeneous data elements?<br>(A) Arrays (B) Records (C) Pointers (D) None of these                                                                                     | A B C D |
| 02. Which of the following file organization is most efficient for a file with a high degree of file activity?<br>(A) Sequential (B) ISAM (C) VSAM (D) All of these                                                                   | A B C D |
| 03. In communication satellite, transponders receive and transmit radio signals at a prescribed frequency range, transponders are known as<br>(A) Multiple repeater (B) Multiple modulator (C) Multiple detector (D) Multiple station | A B C D |
| 04. An information system that responds immediately to the need of physical system is called<br>(A) advertisement (B) real time system (C) inline system (D) online system                                                            | A B C D |
| 05. Which of the following TCP/IP protocol is used to monitor IP gateway and the network to which they attach<br>(A) SMTP (B) SGMP (C) FTP (D) None of these                                                                          | A B C D |

**FOR OFFICE USE ONLY**

|     |                                                                                                                                                                                                                                     |   |   |   |   |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|
| 06. | Virtual Memory is typically located<br>(A) In RAM (B) In CPU (C) On Hard Disk (D) In Flash card                                                                                                                                     | A | B | C | D |
| 07. | While designing a website, which of the following factors an internet market should pay attention to?<br>(A) Easy site navigation (i.e. Site map) (B) Frequently asked questions (FAQs) section (C) Privacy policy (D) All of these | A | B | C | D |
| 08. | The infix notation $(A + B \uparrow D) / (E - F) + G$ can be written in prefix notation<br>(A) $+ \uparrow + A/BD-EFG$ (B) $\uparrow + + A/BD-EFG$ (C) $+/\uparrow B \uparrow AD-EFG$ (D) $+/\uparrow A \uparrow BD-EFG$            | A | B | C | D |
| 09. | In a binary search tree, element at the left of parent node must be:<br>(A) greater than or equal to parent node<br>(B) less than or equal to parent node (C) less than parent node<br>(D) greater than parent node                 | A | B | C | D |
| 10. | In the following function definition<br>int ADD (int x, int y)<br>{ int c = x+y;<br>return c;<br>}<br>The variables x and y are called:<br>(A) Global variables (B) Actual parameters (C) Formal parameters<br>(D) None of these    | A | B | C | D |
| 11. | Handshaking is a:<br>(A) Smooth running of a program (B) Context-free language<br>(C) A programming language with self correcting codes<br>(D) Synchronization of two communicating devices                                         | A | B | C | D |
| 12. | A locked file can be<br>(A) accessed by only one user (B) modified by users with the correct password (C) is used to hide sensitive information (D) both b and c                                                                    | A | B | C | D |
| 13. | What is the last step in data encapsulation?<br>(A) User information is converted into data<br>(B) Segments are converted into datagrams and packets<br>(C) Frames are put into bits (D) Data is converted into segments            | A | B | C | D |
| 14. | The network portion of an address typically represents a:<br>(A) Router (B) Ethernet MAC address (C) Computer (D) Segment                                                                                                           | A | B | C | D |
| 15. | ftp best matches with which OSI layer?<br>(A) Physical (B) Transport (C) Datalink (D) Application                                                                                                                                   | A | B | C | D |

Signature of Addl: Supervisor \_\_\_\_\_

|     |                                                                                                                                                                                                                                                                                                           |   |   |   |   |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|
| 16. | Which one of these type of computers are used primarily for advanced scientific computations?<br>(A) Mainframes (B) Super Computers (C) Micro Computers<br>(D) Personal Computers                                                                                                                         | A | B | C | D |
| 17. | Which one executes the code one line a time?<br>(A) Interpreter (B) Parser (C) Compiler (D) Haskell                                                                                                                                                                                                       | A | B | C | D |
| 18. | Which one is not a type of programming language?<br>(A) Functional (B) Random (C) Modular (D) Object-Oriented                                                                                                                                                                                             | A | B | C | D |
| 19. | If integer needs two bytes of storage, then maximum value of an unsigned integer is<br>(A) $2^{16-1}$ (B) $2^{15-1}$ (C) $2^{16}$ (D) $2^{12}$                                                                                                                                                            | A | B | C | D |
| 20. | Choose the best answer<br>Prior to using pointer variable<br>(A) It should be declared (B) It should be initialized<br>(C) It should be both declared and initialized (D) None of these                                                                                                                   | A | B | C | D |
| 21. | The operation of a staircase switch statement best explains the<br>(A) OR operation (B) AND operation (C) Exclusive AND operation<br>(D) XOR operation                                                                                                                                                    | A | B | C | D |
| 22. | In a time-sharing operating system, when the time slot given to a process is completed, the process goes from the RUNNING state to the<br>(A) BLOCKED state (B) READY state (C) SUSPENDED state<br>(D) TERMINATED state                                                                                   | A | B | C | D |
| 23. | Which of the following is a service not supported by the operating system?<br>(A) Protection (B) Accounting (C) Compilation (D) I/O operation                                                                                                                                                             | A | B | C | D |
| 24. | Bounded minimization is a technique for<br>(A) Proving whether a primitive recursive function is Turing computable or not<br>(B) Proving whether a primitive recursive function is total function or not<br>(C) Generating primitive recursive functions<br>(D) Generating partial recursive functions    | A | B | C | D |
| 25. | Bipolar devices are desirable in the fabrication of which of the following components?<br>(A) Main memory (B) Cache memory (C) Micro program memory<br>(D) All of these                                                                                                                                   | A | B | C | D |
| 26. | Any given Boolean expression can be implemented by using<br>(A) only NAND gates (B) only XOR gates (C) only OR gates<br>(D) only AND gates                                                                                                                                                                | A | B | C | D |
| 27. | Choose the correct statement<br>(A) A file having two dimensional layout of data elements is called as a flat file<br>(B) The index table where files are stored in reverse order is called as the inverted list<br>(C) Uniquely defined primary key always consist of a single field<br>(D) All of these | A | B | C | D |
| 28. | The method of communication in which transmission takes place in the both directions, but only in one direction at a time, is called<br>(A) Simplex (B) Four wire circuit (C) Full duplex (D) Half duplex                                                                                                 | A | B | C | D |
| 29. | Bit stuffing refers to<br>(A) Inserting a '0' in user data stream to differentiate it with a flag<br>(B) inserting a '0' in flag stream to avoid ambiguity<br>(C) Appending a nibble to the flag sequence<br>(D) Appending a nibble to the user data stream                                               | A | B | C | D |
| 30. | The extent to which the software can continue to operate correctly despite the introduction of invalid input is called as<br>(A) Reliability (B) Robustness (C) Fault-tolerance (D) Portability                                                                                                           | A | B | C | D |
| 31. | What is stack and queue?<br>(A) Stack and queue are also known as GIGO<br>(B) Stack is known as LIFO and queue as FIFO<br>(C) Stack is known as FIFO and queue as LIFO<br>(D) Stack and queue are also known as LIFO                                                                                      | A | B | C | D |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |   |   |   |   |   |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|
| 32. | RISC?<br>(A) Random Instruction Set Computers<br>(B) Random Instruction Sequence Computers<br>(C) Reduced Instruction Set Computers<br>(D) Really Intelligent System Compiler                                                                                                                                                                                                                                                                                              | A | B | C | D |   |
| 33. | CISC has more instruction than?<br>(A) RISC (B) DISC (C) DVD (D) LINUX                                                                                                                                                                                                                                                                                                                                                                                                     | A | B | C | D |   |
| 34. | Windows and Linux are?<br>(A) Processors (B) Operating Systems (C) Computers (D) Compilers                                                                                                                                                                                                                                                                                                                                                                                 | A | B | C | D |   |
| 35. | A modem is?<br>(A) Modulator / Demodulator (B) Mode / Demode (C) Mount /Demount<br>(D) Move/ Demove                                                                                                                                                                                                                                                                                                                                                                        | A | B | C | D |   |
| 36. | Which of the following is an encryption algorithm?<br>(A) OSPF (B) ISIS (C) DES (D) BGP                                                                                                                                                                                                                                                                                                                                                                                    | A | B | C | D |   |
| 37. | Choose the incorrect statement about microcomputer, minicomputers<br>(A) A microcomputer can be placed on a single silicon chip<br>(B) A minicomputer can have more processing capability than a mainframe model (C) A microcomputer chip performs the arithmetic logic and control functions of a microcomputer (D) ROM chips may be used in micros to permanently store program instructions (E) Most micro use rigid disk storage device rather than floppy disk drives | A | B | C | D | E |
| 38. | The branch of biology that deals with cell structure is called:<br>(A) histology (B) cytology (C) embryology (D) paleontology                                                                                                                                                                                                                                                                                                                                              | A | B | C | D |   |
| 39. | Ampere hour is a unit of:<br>(A) quantity of electricity (B) strength of current (C) power (D) energy                                                                                                                                                                                                                                                                                                                                                                      | A | B | C | D |   |
| 40. | Samuel Hahnemann was the father of:<br>(A) Ancient surgery (B) Allopathy (C) Antiseptic surgery (D) homoeopathy                                                                                                                                                                                                                                                                                                                                                            | A | B | C | D |   |
| 41. | World's first petrol-driven motor car was built by a German in 1887. What was his name?<br>(A) Gutenberg (B) Ribbontrop (C) F.W. Lanchester (D) Gottlieb Daimler                                                                                                                                                                                                                                                                                                           | A | B | C | D |   |
| 42. | Acoustics is the science that has everything to do with:<br>(A) sound (B) air navigation (C) statical electricity (D) gases in motion                                                                                                                                                                                                                                                                                                                                      | A | B | C | D |   |
| 43. | Battle of Badr was the first major encounter between the Muslims and the Mushriqeen-e-Makkah. Hazrat Usman (RA) could not take part in this battle because<br>(A) He was very old and could not fight (B) He was very sick<br>(C) His wife Hazrat Ruqayyah was sick (D) He was not present in Madinah                                                                                                                                                                      | A | B | C | D |   |
| 44. | Which governor of Basra was deposed by Hazrat Usman (RA) due to public demand?<br>(A) Abdullah Bin Saad (B) Abu Musa Ashari (C) Yazid Bin Muawiyah<br>(D) None of these                                                                                                                                                                                                                                                                                                    | A | B | C | D |   |
| 45. | Which is the second most reliable source of Islamic Jurisprudence?<br>(A) Holy Quran (B) Hadith (C) Ijma (D) Ijtihad                                                                                                                                                                                                                                                                                                                                                       | A | B | C | D |   |
| 46. | Which is the third source of Islamic Jurisprudence?<br>(A) Ijtihad (B) Ijma (C) Qias (D) Hadith                                                                                                                                                                                                                                                                                                                                                                            | A | B | C | D |   |
| 47. | Who is the author of "Pakistan's Foreign Policy - An Historical Analysis"?<br>(A) Lawrence Ziring (B) C.H. Phillips (C) Yahya Amjad<br>(D) Safdar Mahmood                                                                                                                                                                                                                                                                                                                  | A | B | C | D |   |
| 48. | Chashma is situated in:<br>(A) Kundian (B) Kallarkot (C) Daud Khel (D) Bhakkar                                                                                                                                                                                                                                                                                                                                                                                             | A | B | C | D |   |
| 49. | The largest consumer of petroleum products in the country is:<br>(A) Agriculture sector (B) Industrial sector (C) Power sector<br>(D) Transport sector                                                                                                                                                                                                                                                                                                                     | A | B | C | D |   |
| 50. | Lowari road tunnel is the longest in Pakistan which has a length of:<br>(A) 5 miles (B) 6 miles (C) 7 miles (D) 8 miles                                                                                                                                                                                                                                                                                                                                                    | A | B | C | D |   |

\*\*\*\*\*THE END\*\*\*\*\*



SERIAL NO. **8193**

Signature of Addl: Supervisor \_\_\_\_\_

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD**  
**PRE-INTERVIEW WRITTEN TEST FOR THE POST OF LECTURER ECONOMICS BPS-17**

**FOR USE OF CANDIDATE ONLY**

ROLL NO \_\_\_\_\_

NAME \_\_\_\_\_

FATHER'S NAME \_\_\_\_\_

CENTRE \_\_\_\_\_

SIGNATURE OF CANDIDATE \_\_\_\_\_

Monday the 31st January, 2011

Time: 11:00 am to 12:00 noon

Total marks: 100

**QUESTION PAPER /ANSWER SHEET**

**General instructions to the candidates.**

1. Candidates are to attempt all questions.
2. Write your Roll No., Name, Father's Name & Centre on the answer Sheet within the space provided.
3. Do not write these data anywhere else on the answer sheet. Doing so will render the candidate disqualified.
4. Circle appropriate box in the Answer Sheet with Blue or Black Ball point pen only. Use of pencil is not allowed.
5. Each incorrect answer given will result in deduction of 1/2 (half) mark.
6. Sign your answer sheet in space provided.
7. Return your question paper / Answer sheet after attempting the question paper completely.

**MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. NO CANDIDATE IS ALLOWED TO CARRY THIS QUESTION PAPER/ANSWER SHEET OUT OF THE EXAMINATION HALL.**

| Question No:                                                                                                                                                                                                                                                                                       | ANSWER |   |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|---|
| 01. An Isoquant is convex to the origin because of:<br>(A) Law of diminishing returns<br>(B) Diminishing marginal rate of substitution between factors<br>(C) Law of increasing returns                                                                                                            | A      | B | C |
| 02. When a country imposes an important tariff, the effect on its offer curve is:<br>(A) Nil (B) To shift it away from the export-commodity axis<br>(C) To shift it away from the import-commodity axis                                                                                            | A      | B | C |
| 03. One of the following is included in Personal Income, but excluded from National Income, which one is that?<br>(A) Dividends (B) Wages (C) Interest on Public Debt                                                                                                                              | A      | B | C |
| 04. By "warranted rate of growth" is meant:<br>(A) The rate of growth warranted by the resources at the disposal of the community (B) The rate of growth planned by the planning authority of the country (C) The rate of growth which would make planned investment equal to realized investment. | A      | B | C |
| 05. The assumption which makes the "Indifference Curve" convex to the origin is:<br>(A) A diminishing Marginal Rate of substitution (B) Originality of utility<br>(C) Cardinality of utility                                                                                                       | A      | B | C |

**FOR OFFICE USE ONLY**

|     |                                                                                                                                                                                                                                                    |   |   |   |   |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|
| 06. | For the Cobb-Douglas Production Function:<br>(A) The law of diminishing returns to scale holds<br>(B) The law of constant returns to scale holds<br>(C) The law of increasing returns to scale holds                                               | A | B | C |   |
| 07. | In Keynesian theory equality between saving and investment is brought about by changes in the:<br>(A) Level of income (B) Rate of Interest (C) Supply of money                                                                                     | A | B | C |   |
| 08. | During inflation, a recipient of dividend income will, normally, enjoy a real income which is:<br>(A) Less than before (B) More than before (C) Unaffected                                                                                         | A | B | C |   |
| 09. | Which one of the following tax systems will move in the direction of reduction of economic disparities?<br>(A) Flat rate tax (B) Progressive tax (C) Regressive tax                                                                                | A | B | C |   |
| 10. | "Backward Effect" of International Trade occurs:<br>(A) Between two different countries only<br>(B) Between two different areas of the same countries only<br>(C) Both (a) and (b)                                                                 | A | B | C |   |
| 11. | "Poverty line" is determined by:<br>(A) Per capita calories intake (B) Income of the family<br>(C) Housing and clothing facilities                                                                                                                 | A | B | C |   |
| 12. | Demand for money for transaction motive depends on current level of:<br>(A) Profit (B) Income (C) Rate of interest                                                                                                                                 | A | B | C |   |
| 13. | The direct exchange of goods and services for other goods and services is known as<br>(A) Primitive trade (B) Barter (C) Non market trade                                                                                                          | A | B | C |   |
| 14. | The crucial determinant of the size of the market is<br>(A) Productivity (B) Savings (C) Monetary expansion                                                                                                                                        | A | B | C |   |
| 15. | For money to serve as an efficient medium of exchange, it must have all but which of the following characteristics:<br>(A) General acceptability (B) Convertibility into precious metals<br>(C) High value relative to its weight (D) Divisibility | A | B | C | D |

Signature of Addl: Supervisor \_\_\_\_\_

|     |                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |   |   |   |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|
| 16. | The doctrine of comparative advantages says that there are gains from international trade:<br>(A) Only if both comparative and absolute advantages are present in both countries (B) If opportunity costs are the same in the countries involved<br>(C) Only if there are economies of scale available<br>(D) If countries specialize in the production of goods in which they are relatively more efficient. | A | B | C | D |   |
| 17. | If the marginal social benefits of a good exceed its marginal social costs:<br>(A) The government should subsidize its production<br>(B) The Pareto-optimal quantity of the good exceeds the equilibrium quantity<br>(C) An external diseconomy exists (D) Then its private benefits must also exceed its private costs                                                                                       | A | B | C | D |   |
| 18. | The inclusion of both external costs and external benefits will cause a good's equilibrium price to be:<br>(A) Higher than it otherwise would have been (B) Lower than it otherwise would have been (C) The same, and its equilibrium quantity will be larger<br>(D) None of the above                                                                                                                        | A | B | C | D |   |
| 19. | The measure of change in buyer's demand as a result of price charges is called                                                                                                                                                                                                                                                                                                                                |   |   |   |   |   |
| 20. | IMF / related drawing rights are known as                                                                                                                                                                                                                                                                                                                                                                     |   |   |   |   |   |
| 21. | Basket of main currencies is                                                                                                                                                                                                                                                                                                                                                                                  |   |   |   |   |   |
| 22. | The Largest sector, attracting a big chunk of total foreign direct investment in Pakistan is:<br>(A) Trade, transport and Communication (B) Chemical and Pharmaceuticals<br>(C) Oil and Gas and Power Sector (D) Electronics                                                                                                                                                                                  | A | B | C | D |   |
| 23. | Pakistan is pursuing:<br>(A) Fixed exchange rate system (B) Flexible exchange rate system<br>(C) Managed float through Bank (D) All of these                                                                                                                                                                                                                                                                  | A | B | C | D |   |
| 24. | The largest indirect Tax revenue collection is through:<br>(A) Income tax (B) GST (C) Customs duty (D) Wealth tax (E) None of these                                                                                                                                                                                                                                                                           | A | B | C | D | E |
| 25. | A demand curve shows the relationship between the quantity demanded for a commodity over a given time and:<br>(A) The tastes of consumer (B) The money income of consumer<br>(C) The price of related commodities (D) The price of the commodity                                                                                                                                                              | A | B | C | D |   |
| 26. | Which of the following would be the best measure of changes in the standard of living in an economy, expressed in a time series?<br>(A) real GDP (B) Out put per labour hour of output (C) real GDP per capita<br>(D) nominsl GDP per capita                                                                                                                                                                  | A | B | C | D |   |
| 27. | For money to serve as an efficient medium of exchange, it must have all but which of the following characteristics?<br>(A) general acceptability (B) convertibility into precious metals<br>(C) high value relative to its weight (D) divisibility                                                                                                                                                            | A | B | C | D |   |
| 28. | Money can be a standard of deferred payments only if the value of money itself:<br>(A) Remains stable (B) Increases (C) Decreases (D) None of these                                                                                                                                                                                                                                                           | A | B | C | D |   |
| 29. | Personal income is obtained by adding which items to national income:<br>(A) Government transfer payments (B) Business transfer payments<br>(C) Both a and b (D) None of these                                                                                                                                                                                                                                | A | B | C | D |   |
| 30. | The impact and incidence of sales tax is:<br>(A) On the consumer (B) On the seller (C) On the producer (D) None of these                                                                                                                                                                                                                                                                                      | A | B | C | D |   |
| 31. | Economic growth:<br>(A) Is synonymous with economic development?<br>(B) Refers to qualitative change experienced by an economic system<br>(C) When an economic system acquired greater productive capacity<br>(D) Always result in increased real per capita output                                                                                                                                           | A | B | C | D |   |

|     |                                                                                                                                                                                                                                                                                                                                                                        |   |   |   |   |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|
| 32. | When demand is elastic:<br>(A) A fall in price is more than offset by an increase in quantity demanded, so that total revenue rises (B) The good is probably a necessity, so price has little effect on quantity demanded (C) A rise in price will increase total revenue, even though less is sold (D) buyers are not much influenced by prices of competing products | A | B | C | D |
| 33. | Old age pension payment is transfer payment                                                                                                                                                                                                                                                                                                                            | T |   | F |   |
| 34. | A horizontal indifference curve represents some specific case.                                                                                                                                                                                                                                                                                                         | T |   | F |   |
| 35. | Protectionism in the international trade stands for semi-restricted trade.                                                                                                                                                                                                                                                                                             | T |   | F |   |
| 36. | Sale of a new car by an automobile dealer will not affect National product.                                                                                                                                                                                                                                                                                            | T |   | F |   |
| 37. | Reflex action in the body is controlled by<br>(A) Sensory nerves (B) Motor nerves (C) Central nervous system (D) None of these                                                                                                                                                                                                                                         | A | B | C | D |
| 38. | Ultra filtering unit of kidney is known as<br>(A) Nephron (B) Glomerulus (C) Tubule (D) Venacava                                                                                                                                                                                                                                                                       | A | B | C | D |
| 39. | Allergy is caused due to:<br>(A) Inflammation of upper respiratory tract (B) Antigen-antibody reaction (C) Introduction of external material into body (D) None of these                                                                                                                                                                                               | A | B | C | D |
| 40. | The largest cell in the human body is<br>(A) Liver cell (B) Nerve cell (C) Muscle cell (D) Kidney cell                                                                                                                                                                                                                                                                 | A | B | C | D |
| 41. | Most soluble in water is<br>(A) Sugar (B) Camphor (C) Sulphur (D) Common salt                                                                                                                                                                                                                                                                                          | A | B | C | D |
| 42. | Permanent hardness of water can be removed by adding<br>(A) Potassium (B) Washing soda (C) Chlorine (D) None of these                                                                                                                                                                                                                                                  | A | B | C | D |
| 43. | 'Battle of Muthah' was fought between<br>(A) Muslims and Jews (B) Muslims and Romans (C) Muslims and Quraysh (D) Muslims and false prophets                                                                                                                                                                                                                            | A | B | C | D |
| 44. | Hazrat Ibrahim's (AS) grave is found in:<br>(A) Saudi Arabia (B) Iraq (C) Syria (D) Palestine                                                                                                                                                                                                                                                                          | A | B | C | D |
| 45. | The soap was made by _____ first of all<br>(A) Hazrat Ishaq (AS) (B) Hazrat Salih (AS) (C) Hazrat Loot (AS) (D) Hazrat Yaqoob (AS)                                                                                                                                                                                                                                     | A | B | C | D |
| 46. | He is called as Najeebullah?<br>(A) Hazrat Musa (AS) (B) Hazrat Issa (AS) (C) Hazrat Yahya (AS) (D) None of these                                                                                                                                                                                                                                                      | A | B | C | D |
| 47. | Quit India Movement started after the failure of:<br>(A) Cripps Mission (B) Simon Commission (C) Cabinet Mission (D) None of these                                                                                                                                                                                                                                     | A | B | C | D |
| 48. | The provision for separate electorate for Hindus and Muslims was made in:<br>(A) Minto-Morley Reforms (B) Mountbatton Pian (C) Government of India Act (D) Montague Chelmsford Reforms                                                                                                                                                                                 | A | B | C | D |
| 49. | In which year, the Siachen dispute originated between India and Pakistan?<br>(A) 1984 (B) 1986 (C) 1988 (D) 1990                                                                                                                                                                                                                                                       | A | B | C | D |
| 50. | Hamas is a militant Palestinian Organization which was founded in 1987. It won the elections in 2006. The Hamas leader who was elected the Prime Minister of Palestine Authority was:<br>(A) Sheikh Ahmed Yasin (B) Mehmood Abbas (C) Khalid Meshal (D) Ismail Haniyah                                                                                                 | A | B | C | D |

\*\*\*\*\*THE END\*\*\*\*\*

SERIAL NO: [REDACTED]

Signature of Addl: Supervisor \_\_\_\_\_

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD**  
**PRE-INTERVIEW WRITTEN TEST FOR THE POST OF LECTURER ISLAMIC STUDIES BPS-17**

**FOR USE OF CANDIDATE ONLY**

ROLL NO \_\_\_\_\_

NAME \_\_\_\_\_

FATHER'S NAME \_\_\_\_\_

CENTRE \_\_\_\_\_

SIGNATURE OF CANDIDATE \_\_\_\_\_

Tuesday the 1st February, 2011  
 Time: 11:00 am to 12:00 noon

Total marks: 100

**QUESTION PAPER / ANSWER SHEET**

**General instructions to the candidates.**

1. Candidates are to attempt all questions.
2. Write your Roll No., Name, Father's Name & Centre on the answer Sheet within the space provided.
3. Do not write these data anywhere else on the answer sheet. Doing so will render the candidate disqualified.
4. Circle appropriate box in the Answer Sheet with Blue or Black Ball point pen only. Use of pencil is not allowed.
5. Each incorrect answer given will result in deduction of 1/2 (half) mark.
6. Sign your answer sheet in space provided.
7. Return your question paper / Answer sheet after attempting the question paper completely.

**MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. NO CANDIDATE IS ALLOWED TO CARRY THIS QUESTION PAPER/ANSWER SHEET OUT OF THE EXAMINATION HALL.**

Question No:

ANSWER

| Question No: |                                                                                                                                                                             | A | B | C | D |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|
| 01.          | He was given the title of the "Speaker of the Prophets" (Khatib-ul-Ambia):<br>(A) Hazrat Hood (AS) (B) Hazrat Zakaria (AS) (C) Hazrat Shoaib (AS)<br>(D) Hazrat Haroon (AS) | A | B | C | D |
| 02.          | Zakat literary means:<br>(A) Purification (B) Contamination (C) Adulteration (D) None of the above                                                                          | A | B | C | D |
| 03.          | The real name of Abdul Muttalib was:<br>(A) Fahr (B) Navi (C) Kanana (D) Shaba                                                                                              | A | B | C | D |
| 04.          | The following Prophet suffered from blindness in his old age<br>(A) Hazrat Yunus (AS) (B) Hazrat Ishaq (AS) (C) Hazrat Ismaeel (AS)<br>(D) Hazrat Yaqoob (AS)               | A | B | C | D |
| 05.          | How long Banu Hashim remained confined to Shib-e-Abee Talib?<br>(A) Two years (B) Three years (C) Four years (D) Five years                                                 | A | B | C | D |
| 06.          | Mosque Zarat was built on the basis of hypocrisy. In which Hijri year, this mosque was demolished?<br>(A) 8 Hijri (B) 9 Hijri (C) 11 Hijri (D) 14 Hijri                     | A | B | C | D |
| 07.          | The Holy Book 'Zabur' revealed to Hazrat Dawood (AS), its literal meaning is<br>(A) Perfect (B) Piers (C) Meldious (D) Incomplete                                           | A | B | C | D |

**FOR OFFICE USE ONLY**

|     |                                                                                                                                                                                |   |   |   |   |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|
| 08. | By "Isma-ur-Rijaal" is meant:<br>(A) The Seerat of the Caliphs (B) The Seerat of the Imams<br>(C) The Seerat of the describers of Traditions<br>(D) The Seerat of the Prophets | A | B | C | D |
| 09. | Which Ghazwa is named as Furqan:<br>(A) Badr (B) Uhad (C) Khyber (D) Khandaq                                                                                                   | A | B | C | D |
| 10. | A Verse of the Holy Quran indicated the name of<br>(A) Hazrat Zaid (RA) (B) Hazrat Maa'z (RA) (C) Hazrat Bilal (RA)<br>(D) Hazrat Saad (RA)                                    | A | B | C | D |
| 11. | How many encounters took place between the Muslims and non-Muslims during the life of Prophet Muhammad (PBUH)?<br>(A) 75 (B) 82 (C) 85 (D) 90                                  | A | B | C | D |
| 12. | Taloot was the father-in-law of:<br>(A) Hazrat Dawood (AS) (B) Hazrat Sulaiman (AS)<br>(C) Hazrat Yaqoob (AS) (D) Hazrat Yousif (AS)                                           | A | B | C | D |
| 13. | Who introduced the Hijra / Hijri year?<br>(A) Hazrat Abu Bakr Siddique (RA) (B) Hazrat Umar Farooque (RA)<br>(C) Hazrat Usman Ghani (RA) (D) Hazrat Ali (RA)                   | A | B | C | D |
| 14. | The Holy Prophet Hazrat Muhammad (PBUH) performed first Friday Prayer (Namaz-e-Juma) in the year<br>(A) 10 <sup>th</sup> Nabvi (B) 1 A.H (C) 2 A.H (D) 3 A.H                   | A | B | C | D |
| 15. | Which of the following Surahs of Holy Quran carries the injunction for utilization of Zakat?<br>(A) Surah Al-Momin (B) Surah Al-Touba (C) Surah Al-Furqan<br>(D) Surah Al-Nisa | A | B | C | D |
| 16. | What was al-Kiswa?<br>(A) Place (B) A sweet water well (C) Camel (D) None of these                                                                                             | A | B | C | D |
| 17. | What do you understand by "al-Bait-ul-Ateeq":<br>(A) The Holy Ka'aba (B) Bait-ul-Muqadus (C) Masjid-e-Nabvi<br>(D) None of these                                               | A | B | C | D |
| 18. | Garden of Fidaq was in the possession of:<br>(A) Quraish (B) Christians (C) Jews (D) All of them                                                                               | A | B | C | D |
| 19. | Which Surah of the Holy Quran was recited in the court of Najashi the King of Abyssinia?<br>(A) Surah Ar-Rehman (B) Surah Aale-Imran (C) Surah Maryam<br>(D) Surah Ikhlas      | A | B | C | D |



Signature of Addl: Supervisor \_\_\_\_\_

|     |                                                                                                                                                                                                           |   |   |   |   |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|
| 20. | Qibla was changed from Masjid-e-Aqsa (Jerusalem) to Khanae-e-Ka'aba in:<br>(A) Ramadan 1 A.H (B) Shaban 1 A.H (C) Ramadan 2 A.H (D) Shaban 2 A.H                                                          | A | B | C | D |
| 21. | Tahira was the surname of:<br>(A) Hazrat Aisha (RA) (B) Hazrat Khadija (RA) (C) Hazrat Hafsa (RA)                                                                                                         | A | B | C |   |
| 22. | After the fall of Yarmuk the Muslims laid siege to:<br>(A) Roman Empire (B) Jerusalem (C) Hulwan (D) Yarmuk                                                                                               | A | B | C | D |
| 23. | What is the name of the place from where Ahram becomes compulsory for a Hajj?<br>(A) Mikat (B) Arafat (C) Madina (D) Jeddah                                                                               | A | B | C | D |
| 24. | Observation of "Aitka" in Ramzan-ul-Mubarik is<br>(A) Farz (B) Wajib (C) Mustahib (D) Sunnat                                                                                                              | A | B | C | D |
| 25. | The "Zakhrat" is Surah of the Holy Quran. It means:<br>(A) Copper (B) Silver (C) Zinc (D) Gold                                                                                                            | A | B | C | D |
| 26. | "Tadhkirah Sufia-e-Sindh" is a famous book of Mr.                                                                                                                                                         |   |   |   |   |
| 27. | Hazrat Salma (RA) was Hazrat Abu Bakr's (RA) mother, she was given the title of:<br>(A) Umm-e-Abdullah (B) Umm-ul-Khair (C) Umm-ul-Ayal (D) None of these                                                 | A | B | C | D |
| 28. | Hazrat Umar (RA) belonged to a branch of:<br>(A) Quraish (B) Banu Tamam (C) Banu Umayyah (D) Banu Asad                                                                                                    | A | B | C | D |
| 29. | He was called Malik-ut-Tajjar:<br>(A) Hazrat Abu Bakr (RA) (B) Hazrat Usman (RA) (C) Hazrat Ali (RA) (D) Hazrat Umar bin Abd-ul-Aziz (RA)                                                                 | A | B | C | D |
| 30. | Hazrat Ali (RA) was appointed as caretaker of Madina when the Prophet (PBUH) left for Ghazwa<br>(A) Badr (B) Uhad (C) Hunain (D) Tabuk                                                                    | A | B | C | D |
| 31. | He was the cousin of the Prophet (PBUH) and also one of the Ashra Mubashras:<br>(A) Hazrat Talha (RA) (B) Hazrat Usama bin Zaid (RA) (C) Hazrat Zubair bin Awam (RA) (D) Hazrat Saeed bin Zaid (RA)       | A | B | C | D |
| 32. | Hazrat Abu Ubaidah (RA) bin al-Jarrah, one of the Ashra Mubashras, was called as:<br>(A) The Sea of Knowledge (B) Door of Knowledge (C) Trustee of the Ummat (D) All of these                             | A | B | C | D |
| 33. | Before migrating to Madina the Holy Prophet (PBUH) had sent _____ there for preaching<br>(A) Hazrat Abu Zar Ghafari (RA) (B) Hazrat Masab bin Umair (RA) (C) Hazrat Zaid bin Sabit (RA) (D) None of these | A | B | C | D |
| 34. | Abdullah bin Abbas (RA) was given the title:<br>(A) Interpreter of Islam (B) Treasurer of Islam (C) Sea of Knowledge (D) None of these                                                                    | A | B | C | D |
| 35. | Umme Aimen was the mother of:<br>(A) Hazrat Zaid bin Haris (RA) (B) Hazrat Bilal (RA) (C) Hazrat Anas (RA) (D) Hazrat Abu Zar Ghaffary (RA)                                                               | A | B | C | D |
| 36. | Which Surah is called "Salasul-Quran"?<br>(A) Surah Akhlas (B) Surah Falak (C) Surah Fatah (D) Surah Rehman                                                                                               | A | B | C | D |
| 37. | Some rays are used to detect defects or diseases of bones. What are these called?<br>(A) tapped sun-rays (B) alpha rays (C) beta rays (D) roentgen rays                                                   | A | B | C | D |
| 38. | The digestive juice produced in the ileum is called:<br>(A) pancreatic juice (B) saliva (C) succus entericus (D) gastric juice                                                                            | A | B | C | D |
| 39. | The rear view mirror in car is:<br>(A) Plane mirror (B) Concave mirror (C) Convex mirror (D) Planoz convex mirror                                                                                         | A | B | C | D |
| 40. | Whale has descended from ancestors that<br>(A) lived on the sea-bed (B) lived on trees (C) lived on land (D) lived in the air                                                                             | A | B | C | D |
| 41. | Evaporation causes:<br>(A) coolness (B) heat (C) humidity (D) dryness                                                                                                                                     | A | B | C | D |

|     |                                                                                                                                                                                                  |   |   |   |   |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|
|     | Sweat glands occur in greatest number in the skin of the:<br>(A) forehead (B) forearm (C) palm of the hand (D) back                                                                              | A | B | C | D |
| 43. | Polarized glass is used in sunglasses because:<br>(A) it is cheaper (B) it has good colour (C) it is fashionable (D) it reduces the light intensity to half on account of polarization           | A | B | C | D |
| 44. | Meteorology is the study (or science) of the phenomena of:<br>(A) meteors and planets (B) distance between stars<br>(C) atmosphere for weather forecast (D) meteoric effect on space exploration | A | B | C | D |
| 45. | "Pakistan National Movement" was founded by:<br>(A) Dr. Allama Iqbal (B) Ch. Rahmat Ali (C) Nawab Wajid-ul-Mulk                                                                                  | A | B | C |   |
| 46. | What was the response of Muslim League over British offer of 1940?<br>(A) Accepted (B) Rejected (C) Neither accepted nor rejected                                                                | A | B | C |   |
| 47. | "Quit-India Movement" was started in:<br>(A) 1941 (B) 1942 (C) 1943                                                                                                                              | A | B | C |   |
| 48. | Indus River system in Pakistan comprises of:<br>(A) Three rivers (B) Four rivers (C) Five rivers (D) Six rivers                                                                                  | A | B | C | D |
| 49. | Give the name of the author of "The Meaning of Pakistan":<br>(A) Sir Fazle Hussain (B) G.F.I. Graham (C) J. Karbel (D) F.K.K. Durrani                                                            | A | B | C | D |
| 50. | Chechnya lies in the:<br>(A) Siberian region (B) Caucasian region (C) Scandinavian region<br>(D) Caribbean region                                                                                | A | B | C | D |

\*\*\*\*\*THE END\*\*\*\*\*

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD**  
**PRE-INTERVIEW WRITTEN TEST FOR RECRUITMENT TO THE POSTS OF**  
**LECTURER PAKISTAN STUDIES BPS -17**

WEDNESDAY THE 11<sup>TH</sup> MARCH, 2009  
Time: 2.30 P.M. to 3.30 P.M.

Total Marks: 100

**QUESTION PAPER.**

**General Instructions**

Candidates are to attempt all questions. All questions carry equal marks.

**Answer all Questions on Answer Sheet provided.**

Write your Roll No., Name, Father's Name & Centre on the Answer Sheet WITHIN THE SPACE PROVIDED.  
DO NOT WRITE THESE DATA ANYWHERE ELSE ON THE ANSWER SHEET. DOING SO WILL RENDER  
THE CANDIDATE DISQUALIFIED..

Each mistake made will result in deduction of ONE mark.

**CIRCLE** the appropriate box in the Answer Sheet with BLUE or BLACK BALL POINT only.

**SIGN YOUR ANSWER SHEET IN SPACE PROVIDED.**

Return your Answer Sheet along with Question Paper when you complete the question paper.

**SECTION-I**

01. Around 3,000 BC which civilization was developed in the Sub-Continent?  
(A) Gandhara Civilization (B) Indus civilization (C) Greece Civilization (D) Aryan civilization
02. Which religious scholar opposed Akbar's Deen-e-Ilahi?  
(A) Moinuddin Chishti (B) Hazrat Shaikh Ahmed Sarhandi (C) Dara Ganj Bukhsh  
(D) Hazrat Gaisu Daraz.
03. When Bengal was divided in to two provinces:  
(A) 1905 (B) 1908 (C) 1906 (D) 1909
04. Who divided Bengal in to Two provinces:  
(A) Lord Ripon (B) Viceroy Curzon (C) Lord Lin-Lin-thgo (D) Sir James.
05. On which occasion Jinnah totally disillusioned Hindus and decided "Parting the ways"  
(A) All Parties Conference Dec: 1928 (B) Nehru Report (C) Simon Commission (D) None of these.
06. The day of deliverance was observed on :  
(A) 21st December, 1938 (B) 21<sup>st</sup> December, 1939 (C) 22<sup>nd</sup> December, 1938  
(D) 22<sup>nd</sup> December, 1939
07. The British Government took stern action against the "Quit India Movement" and put in to jail:  
(A) Quaid-e-Azam (B) Moti Lal Nehru (C) Gandhi (D) Mehr Chard Mohgan Tej Singh.
08. Reshmi Roomal Movement was founded by:  
(A) Maulana Shibli (B) Maulana Mohmud-Ul-Hassan (C) Maulana Shabir Usmani  
(D) Maulana Hasrat Mohani.
09. In 1931 Qaid-e-Azam Muhammad Ali Jinnah went in to self-exile in London. When he came back on the  
appeal of the Muslims?  
(A) 1933 (B) 1934 (C) 1938 (D) 1939
10. Which Pamphlet was made by Ch: Rehmat Ali?  
(A) Now or Never (B) Road to Pakistan (C) Quit India Now (D) Fair play
11. Which princely state India occupied un lawfully in 1948?  
(A) Manamar (B) Junagarh (C) Mangrol (D) Hyderabad Duccan
12. The first Constituent Assembly was dissolved by:  
(A) Ghulam Muhammad (B) Quaid-e-Azam (C) Liaquat Ali Khan (D) Ayub Khan
13. Criminal Law Amendment Bill was signed by:  
(A) General Pervez Musharaf (B) General Zia Ul Haq (C) Sardar Farooq Leghari (D) None of these.

P.T.O.

- Gwadar Port agreement was signed between:  
 (A) Pakistan and Turkey (B) Pakistan and China (C) Pakistan and Iran (D) Pakistan and Japan.
- Lucknow pact was signed in:  
 (A) 1913 (B) 1914 (C) 1915 (D) 1916
- Urdu is a :  
 (A) Turkish word (B) Persian word (C) Arabic word (D) None of these.
- Lord Curzon introduced reforms in agriculture and:  
 (A) Railway (B) Police Military (C) Administration (D) None of these.
- The Indian Council Act was passed in:  
 (A) 1908 AD (B) 1909 AD (C) 1910 AD (D) 1911 AD
- Allama Iqbal presented his famous Khutba in 1930 at:-  
 (A) Lahore (B) Allahabad (C) Delhi (D) None of these.
- The lady represented AIML, supporting Pakistan Resolution was:  
 (A) Amjad Bano (B) Mohtarma Fatima Jinnah (C) Begum Raana Liaquat  
 (D) Begum Salma Tassaduq.
- The importance of Potwar Plateau is due to:  
 (A) Khewra Salt mines (B) Kalabagh Salt mines (C) Dandot Makarwal Coal mines (D) All of these.
- Pakistan's fiscal year starts from:  
 (A) July 1st (B) June 1st (C) January 1st (D) None of these.
- Which system of transport is widely used by people of Pakistan.  
 (A) Road (B) Railway (C) Sea (D) Air.
- Nehru Report was presented in:  
 (A) 1928 (B) 1929 (C) 1930 (D) None of these.
- The Indian Council Act was passed in:  
 (A) 1908 AD (B) 1909 AD (C) 1910 AD (D) 1911 AD
- Second Islamic Summit Conference was held in:  
 (A) Rabat (B) Dhaka (C) Lahore (D) Islamabad.
- Lahore- Islamabad Motorway project was launched on:  
 (A) January 12, 1992 (B) January 12, 1993 (C) January 12, 1994 (D) None of these.
- The lower Indus plain lies between:  
 (A) Multan and Arabian Sea (B) Dera Ghazi Khan and Arabian Sea (C) Mithan Kot and Arabian Sea  
 (D) Bahawalpur and Arabian Sea.
- Which Five year plan was not implemented due to political instability, and economic uncertainty?  
 (A) First five year plan (B) Third five year plan (C) Fourth five-year plan (D) Fifth five year plan.
- Pakistan joined the US sponsored SEATO on  
 (A) 8<sup>th</sup> October 1954 (B) 8<sup>th</sup> November, 1954 (C) 8<sup>th</sup> December 1954 (D) 8<sup>th</sup> December, 1955
- Chaudhry Rehmat Ali founded Pakistan National movement in the year.  
 (A) 1930 (B) 1931 (C) 1932 (D) 1933
- The office of the Governor General was abolished in Pakistan on:  
 (A) 23<sup>rd</sup> March 1954 (B) 23<sup>rd</sup> March 1955 (C) 23<sup>rd</sup> March 1956 (D) 23<sup>rd</sup> March 1957
- Mangla Dam was inaugurated on:  
 (A) 23<sup>rd</sup> November, 1966 (B) 23<sup>rd</sup> November, 1967 (C) 23<sup>rd</sup> November, 1968  
 (D) 23<sup>rd</sup> November, 1969
- The new capital of Pakistan was given the name of Islamabad on:  
 (A) 24<sup>th</sup> February 1958 (B) 24<sup>th</sup> February 1959 (C) 24<sup>th</sup> February 1960 (D) 24<sup>th</sup> February 1961
- Longest river of Pakistan is:  
 (A) Jhelum (B) Kabul (C) Indus (D) Ravi

## SECTION-II

- 36 Lack of vitamin "A" causes :  
(A) Poor night vision (B) Pelagic (C) Rickets (D) Scurvy
- 37 Velocity of sound in water at  $9.1^{\circ}\text{C}$  is :  
(A) 1435 m/s (B) 330 m/s (C) 1245 m/s (D) 1500 m/s
- 38 Air contains what percentage of oxygen:  
(A) 28 (B) 37 (C) 47 (D) 21
- 39 What is black board chalk made of?  
(A) Lime (B) Soft Sticky clay (C) Raw form of calcium Chloride (D) Magnesium paste
- 40 Hydrogen bomb involves:  
(A) Complete fusion of atoms (B) In complete fusion of atoms (C) In complete fission of atoms  
(D) Dispersion of atoms.
- 41 Give the correct meaning of the following words  
**Anguish:**  
(A) Great sorrow or pain (B) Despair (C) Crying (D) Grief
- 42 **Detest:**  
(A) Trying (B) Hate (C) Enervate (D) Emit.
- 43 There is a mistake in the following sentence. Find out the part in which the mistake occurs.  
The bus is so over crowded that there is no place for anyone else.  
(A) (B) (C) (D)

### PASSAGE

Science affects the average man and woman in two ways. He or she benefits by its applications, driving in a motor car or a mini bus instead of a horse driven vehicle, being treated for diseases by a doctor or a surgeon rather than a witch, and being killed with an automatic pistol or a shell in place of a dagger or battle axe. It also affects his or her opinion, almost every one believes that the earth is round, and the heavens nearly empty, instead of being solid and we are beginning to believe in our animal ancestry and the possibility of vast improvements in human nature by biological methods.

- 44 Give a suitable title to the above passage from following:  
(A) Impact of science (B) Application of science (C) Science and man (D) Advantages of science
- 45 Which of the following statements is incorrect in the context of the passage:  
(A) Man has benefits from science (B) Diseases have been reduced by science  
(C) Man now uses guns to kill (D) Science has changed man's life.
- 46 The total Madani Surah in Holy Quran are:  
(A) 35 (B) 31 (C) 28 (D) 30
- 47 Police force was first established in the days of the Muslim Caliph:  
(A) Hazrat Abu Bakar (R.A) (B) Hazrat Umar (R.A) (C) Hazrat Usman (R.A)  
(D) Hazrat Ali (K.W)
- 48 Hazrat Ali (K.W) changed capital after the battle of Jamal to :  
(A) Damascus (B) Kufa (C) Mecca (D) Baghdad.
- 49 Angel Hazrat Mekail (A.S) is given the assignment to :  
(A) Blow trumpet on the day of Judgment (B) Take souls of human beings (C) Bring rain.  
(D) Gather all human beings after kayamat.
- 50 The foundation of the city of Baghdad was laid in 762 A.D. during the reign of Abbasid Caliph:  
(A) Abu-Muslim (B) Al-Mansoor (C) Al-Mahdi (D) Abdul-Abbas.

THE END

**PAPER TYPE: A**

**Sindh Public Service Commission, Hyderabad.**

**Pre-Interview Written Test for the Post of Sub Engineer (BPS-11) In Works & Services Department, Government Of Sindh**

Wednesday the 07<sup>th</sup> October, 2015

Time: 10:00 am to 11:30 am

Maximum marks: 100

**QUESTION PAPER**

**General Instructions:**

- 01 Candidates are to attempt all questions.
- 02 Write your Roll No., Name, Father's Name & Centre on the Answer Sheet within the given space.
- 03 Do not write this data anywhere else on the Answer sheet. Doing so will render the candidate disqualified.
- 04 Follow instructions on the Answer Sheet to mark your responses correctly. Answer carefully by filling one of the appropriate blank cells given in the Answer Sheet with black or blue ball pen only.
- 05 Sign your answer sheet in specified space.
- 06 Return your Question paper & Answer Sheet after the examination.

**Most Important:- Any candidate found in possession of mobile phone or any similar device in the examination hall will be expelled from the Examination hall. Question paper is part of answer sheet for assessment purpose. No candidate is allowed to carry question paper/answer sheet out of the examination hall.**

|    |                                                                                                                                                                        |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | Unit weight of plain concrete is equal to:<br>(A) 140 lb/ft <sup>3</sup> (B) 145 lb/ft <sup>3</sup> (C) 150 lb/ft <sup>3</sup> (D) 155 lb/ft <sup>3</sup>              |
| 02 | Unit weight of water is equal to:<br>(A) 60.4 lb/ft <sup>3</sup> (B) 61.4 lb/ft <sup>3</sup> (C) 62.4 lb/ft <sup>3</sup> (D) 63.4 lb/ft <sup>3</sup>                   |
| 03 | Fine aggregates are those which pass through:<br>(A) #4 Sieve (B) #8 Sieve (C) #16 Sieve (D) #30 Sieve                                                                 |
| 04 | A good quality stone absorbs water less than:<br>(A) 5% (B) 10% (C) 15% (D) 20%                                                                                        |
| 05 | The commonly used raw material in manufacture of cement is:<br>(A) Slate (B) Sand Stone (C) Lime Stone (D) Ballast                                                     |
| 06 | Initial setting of cement is caused due to:<br>(A) Tri calcium silicate (B) Di calcium Silicate (C) Tri Calcium aluminate (D) Tetra Calcium alumino ferrite            |
| 07 | The specific gravity of sand is approximately equal to: (A) 2.0 (B) 2.2 (C) 2.4 (D) 2.6                                                                                |
| 08 | The impurity of mixing water affects the: (A) Curing (B) Strength (C) Setting time (D) None of these                                                                   |
| 09 | Soundness test of cement is done to check:<br>(A) Quality of lime (B) Ultimate strength (C) Durability (D) Initial setting                                             |
| 10 | Reinforcement should be free from: (A) Paints (B) Loose Rust (C) Oil (D) All of these                                                                                  |
| 11 | Density of steel is equal to: (A) 7855 kg/m <sup>3</sup> (B) 7585 kg/m <sup>3</sup> (C) 7558 kg/m <sup>3</sup> (D) 8557 kg/m <sup>3</sup>                              |
| 12 | Modulus of elasticity is assumed equal to:<br>(A) 29x10 <sup>6</sup> psi (B) 20x10 <sup>6</sup> psi (C) 29x10 <sup>-6</sup> psi (D) 20x10 <sup>-6</sup> psi            |
| 13 | If d is the diameter of bar, area is computed by formula:<br>(A) $(\pi/4) \times (d)^2$ (B) $(\pi/2) \times (d)^2$ (C) $(\pi/8) \times (d)^2$ (D) $(\pi/4) \times (d)$ |
| 14 | Steel bars are used in reinforced concrete because concrete is:<br>(A) Weak in tension (B) Weak in compression (C) Weak in flexure (D) All of these                    |
| 15 | In reinforced concrete structures load is transmitted by:<br>(A) Columns (B) Walls (C) Both Columns and Walls (D) None of these                                        |
| 16 | DPC stands for: (A) Data Protection Centre (B) Durable Portland Cement<br>(C) Damp Proof Coarse (D) Dual Protection Coat                                               |
| 17 | Strength of concrete _____ with time.<br>(A) Decreases (B) Remains same (C) Increases (D) Not applicable                                                               |
| 18 | Reinforced concrete has relatively high _____ strength<br>(A) Compressive (B) Tensile (C) Flexural (D) Rupture                                                         |
| 19 | Before placing concrete, formwork is applied with a coat of:<br>(A) Water (B) Cement Slurry (C) Crude Oil (D) None of these                                            |



|    |                                                                                                                                                                                                                             |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20 | Vertical sides of beams are removed after:<br>(A) 1 to 2 days (B) 3 days (C) 7 days (D) 21 days                                                                                                                             |
| 21 | If slab length is more than 4.5m then the props of slabs can safely be removed after:<br>(A) 7 days (B) 14 days (C) 21 days (D) 28 days                                                                                     |
| 22 | Cracking in RC structures is _____ observed problem<br>(A) Never (B) Seldom (C) Frequently (D) Un-certainly                                                                                                                 |
| 23 | A crack can be repaired by:<br>(A) Cement grouting (B) Re-plastering (C) epoxy (D) All of these                                                                                                                             |
| 24 | To repair a damaged concrete area, cause of damage:<br>(A) May be determined (B) Must be determined (C) Need not to determine (D) User choice                                                                               |
| 25 | White stains on concrete surface are known as:<br>(A) Cavitation (B) Popouts (C) Efflorescence (D) Honey Combing                                                                                                            |
| 26 | Efflorescence can be cured by:<br>(A) Plastering (B) Cleaning and Rinsing (C) Washing and Rinsing (D) All of these                                                                                                          |
| 27 | Bituminous stains can best be removed by:<br>(A) Washing and Drying (B) Sand Blasting and Cleaning (C) Scraping and Scrubbing (D) Any                                                                                       |
| 28 | Minimum splice length is: (A) 6 in (B) 12 in (C) 18 in (D) 24 in                                                                                                                                                            |
| 29 | Providing _____ coating on steel bars reduces the corrosion<br>(A) Zinc (B) Copper (C) Nickel (D) None of these                                                                                                             |
| 30 | For one cubic meter of brick masonry number of brick required is:<br>(A) 400 (B) 425 (C) 450 (D) 500 (E) 550                                                                                                                |
| 31 | Slump test for concrete is carried out to determine:<br>(A) Strength (B) Durability (C) Workability (D) Water content                                                                                                       |
| 32 | Minimum required water content ratio for a workable concrete is:<br>(A) 0.30 (B) 0.40 (C) 0.50 (D) 0.60 (E) 1.0                                                                                                             |
| 33 | The portion of a brick cut across the width is called:<br>(A) Closer (B) Half Brick (C) Bed (D) Bat                                                                                                                         |
| 34 | The concrete slump recommended for foundation is:<br>(A) 25 to 50 mm (B) 30 to 125 mm (C) 50 to 100 mm (D) 75 to 125 mm (E) None of these                                                                                   |
| 35 | The main principle of surveying is to work:<br>(A) From part to the whole (B) from whole to the part<br>(C) From higher level to the lower level (D) From lower to the higher level                                         |
| 36 | If whole circle bearing of a line is $120^\circ$ , its reduced bearing will be:<br>(A) S $20^\circ$ E (B) S $60^\circ$ E (C) N $120^\circ$ E (D) N $60^\circ$ E                                                             |
| 37 | The unit of force in C.G.S system of units is called:<br>(A) Dyne (B) Newton (C) Kg (D) All of these                                                                                                                        |
| 38 | The velocity of a moving body is:<br>(A) A vector quantity (B) A scalar quantity (C) A Scalar as well as a vector quantity (D) None of these                                                                                |
| 39 | The resultant of the force acting on a body will be zero if the body:<br>(A) Rotates<br>(B) Move with variable velocity in a straight line (C) move along a curved path (D) Does not move at all                            |
| 40 | When a body falls freely under gravitational force it possesses:<br>(A) Maximum weight (B) Minimum weight (C) No weight (D) No effect on its weight                                                                         |
| 41 | Hooke's law states that stress and strain are:<br>(A) Directly proportional (B) Inversely proportional (C) Curvilinearly related (D) None of these                                                                          |
| 42 | The specific gravity of water is $1000 \text{ kg/m}^3$ :<br>(A) At normal pressure of 760 mm (B) At $4^\circ\text{C}$ temperature (C) At mean sea level (D) All of these                                                    |
| 43 | Coarse grained soils are best compacted by a:<br>(A) Drum roller (B) Rubber tyred roller (C) Sheep's foot roller (D) Vibratory roller                                                                                       |
| 44 | The maximum dry density upto which any soil can be compacted depends upon:<br>(A) Moisture content only (B) Amount of compaction energy only<br>(C) Both moisture content and amount of compaction energy (D) None of these |
| 45 | Which of the following methods is most accurate for the determination of the water content of soil?<br>(A) Oven drying method (B) Sand bath method (C) Calcium carbide method (D) Pycnometer method                         |
| 46 | Which of the following is a rock:<br>(A) Quartzite (B) Mica (C) Gypsum (D) None of these                                                                                                                                    |
| 47 | Combination of steel reinforcement and concrete makes:<br>(A) RCC (B) RLC (C) CC (D) All of these                                                                                                                           |
| 48 | Expansion joint in masonry wall are provided in wall length greater than:<br>(A) 10 m (B) 30 m (C) 20 m (D) 40 m                                                                                                            |

|    |                                                                                                                                                                                                      |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 49 | Maximum depth of foundation in clay soil is<br>(A) 30 cm (B) 70 cm (C) 90 cm (D) 120 cm                                                                                                              |
| 50 | The age of tree can be known by examining<br>(A) Cambium Layer (B) Annular rings (C) Medullary rays (D) Heart wood                                                                                   |
| 51 | The internal resistance which the body offers to meet the load is called<br>(A) Stress (B) Strain (C) Pressure (D) None of these                                                                     |
| 52 | The deformation per unit length is called<br>(A) Strain (B) Tensile stress (C) Shear stress (D) None of these                                                                                        |
| 53 | Ratio between the change in volume and original volume is called strain as:<br>(A) Tensile (B) Compressive (C) Shear (D) Volumetric                                                                  |
| 54 | The ratio between stress and strain is called as<br>(A) Modulus of elasticity (B) Modulus of rigidity (C) Bulk modulus (D) None of these                                                             |
| 55 | A cantilever is a beam whose:<br>(A) One end is fixed and other end is free (B) Both ends are fixed<br>(C) Both ends are simply supported (D) None of these                                          |
| 56 | The point of contra flexure is a point where:<br>(A) B.M is maximum (B) B.M is minimum (C) B.M is zero or change sign (D) None of these                                                              |
| 57 | The bending stress at the neutral axis is:<br>(A) Tensile (B) Compressive (C) Zero (D) Shear                                                                                                         |
| 58 | Hydrographical survey deals with the mapping of:<br>(A) Heavenly bodies (B) Hills (C) Large water bodies (D) None of these                                                                           |
| 59 | In chain surveying, field work is limited to:<br>(A) Linear measurement only (B) Angular measurement only (C) Both (A) & (B) (D) None of these                                                       |
| 60 | Normal residential RC buildings are designed for:<br>(A) 50 psf (B) 70 psf (C) 90 psf (D) 100 psf                                                                                                    |
| 61 | In order to obtain best workability of concrete, the preferable shape of aggregate is:<br>(A) Rounded (B) Elongated (C) Angular (D) All of these                                                     |
| 62 | Water attack on foundation can be minimized by providing:<br>(A) Raft foundation (B) Water drains (C) Sheet piling (D) All of these                                                                  |
| 63 | Shear cracks in load bearing structures are repaired by:<br>(A) Mortar grouting (B) Epoxy compound (C) Replacement of wall (D) Any                                                                   |
| 64 | Standard size of modular brick is:<br>(A) 19x9x9 cm (B) 20x10x10 cm (C) 19x9x8 cm (D) 20x11x11 cm                                                                                                    |
| 65 | Theodolite is an instrument used for:<br>(A) Measuring of bearing only (B) Measuring of horizontal angle only<br>(C) Measuring of vertical angle only (D) All of these                               |
| 66 | Shrinkage crack is also called :<br>(A) Active crack (B) Dormant crack (C) Shear crack (D) Flexural crack                                                                                            |
| 67 | Walls in RC structures are: (A) Load bearing (B) May be load bearing (C) Partition (D) None of these                                                                                                 |
| 68 | Strength of concrete does not improve considerably after:<br>(A) 28 days (B) 6 months (C) 1 year (D) 5 years                                                                                         |
| 69 | Self weight of reinforced concrete structure is _____ steel structures:<br>(A) Less then (B) Equal to (C) Greater than (D) Not applicable                                                            |
| 70 | Formwork is an arrangement provided to let concrete attains its _____<br>(A) Size (B) Shape (C) Position (D) None                                                                                    |
| 71 | If the natural water content of a soil mass lies between its liquid limit and plastic limit, the soil mass is said to be:<br>(A) Liquid state (B) Plastic state (C) Semi solid state (D) Solid state |
| 72 | Sand particles are made of<br>(A) Rock minerals (B) Kaolinite (C) Illite (D) None of these                                                                                                           |
| 73 | In case of mechanical vibrators are to be used, workability of concrete should be<br>(A) High (B) Low (C) Same (D) None of these                                                                     |
| 74 | A rich mix can cause _____<br>(A) Increased heat of hydration (B) Decreased heat of hydration (C) Increased setting time (D) None of these                                                           |
| 75 | One pascal is equal to _____<br>(A) 1 N/m (B) 1 N/m <sup>2</sup> (C) 1 N <sup>2</sup> /m (D) None of these                                                                                           |
| 76 | The longest river of the world is:<br>(A) Amazon (B) Nile (C) Yangtze (D) Indus                                                                                                                      |
| 77 | The busiest airport of the world is:<br>(A) London Heathrow (B) Frankfurt (C) Paris Charles de Gaulle (D) New York John F. Kennedy                                                                   |

|     |                                                                                                                                                                                                                                                                                          |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 78  | The first Muslim Nobel Laureate was:<br>(A) Anwar Sadaat (B) Mahatir Mohamed (C) Prof Abdul Salam (D) Muhammad Younus                                                                                                                                                                    |
| 79  | The largest and deepest sea of the world is:<br>(A) Caribbean (B) South China (C) Mediterranean (D) Gulf of Mexico                                                                                                                                                                       |
| 80  | Saccharine was invented by:<br>(A) Henry W. Seeley (B) Alfred Nobel (C) Constantin Fahlberg (D) Etienne Lenoir                                                                                                                                                                           |
| 81  | The laws of motion were first presented by:<br>(A) Albert Einstein (B) Sir Issac Newton (C) Pythagoras (D) Euclid                                                                                                                                                                        |
| 82  | Michael Faraday is well known in history as:<br>(A) An orator (B) Painter (C) Scientist (D) General                                                                                                                                                                                      |
| 83  | Psychopharmacology is a science dealing with:<br>(A) Diseases of the mouth (B) Stratified Rocks (C) Mood alteration (D) Scabies                                                                                                                                                          |
| 84  | Sindology is the study of:<br>(A) Sindh (B) Funeral shrouds (C) Caves (D) Earth's Crust                                                                                                                                                                                                  |
| 85  | "A brain wave" means:<br>(A) An electric current in mind (B) A foolish notion (C) A bright idea (D) A known secret                                                                                                                                                                       |
| 86  | "A rotten egg" means:<br>(A) A bad person (B) A miser (C) An expired egg (D) A Chinese dish                                                                                                                                                                                              |
| 87  | Dr. Shimmel of Harvard University regards Shah Latif as equal to one of the following<br>(A) Ghalib (B) Allama Iqbal (C) Rumi (D) Shakespeare                                                                                                                                            |
| 88  | 'Iron Curtain' in Europe was a symbolic boundary between the Capitalist West and Communist East. This term was popularized by:<br>(A) Charles de Gaul (B) Harry S. Truman (C) Winston Churchill (D) Clement Atlee                                                                        |
| 89  | Cold War stands for:<br>(A) Intelligence War (B) War in Iceland (C) Family Feud (D) Chemical Warfare                                                                                                                                                                                     |
| 90  | The Charter of Madina was concluded under the guidance of Holy Prophet (PBUH) with:<br>(A) Christians (B) Jews (C) Persians (D) Romans                                                                                                                                                   |
| 91  | In 1738 Nadir Shah invaded India and sacked Delhi. He took away:<br>(A) Peacock Throne (B) Koh-i-Noor (C) 40 Crore Rupees (D) All of these                                                                                                                                               |
| 92  | Sir Syed Ahmed Khan was inspired by Lord Macaulay for learning of English, but who influenced his religious ideas?<br>(A) Mujadid-Alif-Thani (B) Dara Shikoh (C) Shah Waliullah (D) Waqar-ul-Mulk                                                                                        |
| 93  | The concept of Pakistan as a Nation-State was first formulated in the Muslim League's Allahabad session by Allama Iqbal. It proposed:<br>(A) Independence from India (B) Dominion Status (C) Separate Muslim State within India<br>(D) Provincial autonomy for Muslim majority provinces |
| 94  | The oldest internet search engine among the following is<br>(A) Google (B) Yahoo (C) ASK (D) AOL                                                                                                                                                                                         |
| 95  | The power generating capacity of Diamer-Basha Dam is estimated to be<br>(A) 8000 MW (B) 6000 MW (C) 4500 MW (D) 3500 MW                                                                                                                                                                  |
| 96  | The largest Opium producer province in Afghanistan is:<br>(A) Qandahar (B) Helmand (C) Nangarhar (D) None of these                                                                                                                                                                       |
| 97  | The Strait of Malacca is the main shipping channel between the:<br>(A) Red Sea & Atlantic Ocean (B) Indian Ocean & North Pacific Ocean<br>(C) Arabian Sea & Red Sea (D) None of these                                                                                                    |
| 98  | The largest source of electricity generation in Pakistan is:<br>(A) Hydel (B) Thermal (C) Nuclear (D) Solar                                                                                                                                                                              |
| 99  | The world's largest producer of uranium is:<br>(A) France (B) Chad (C) Canada (D) South Africa                                                                                                                                                                                           |
| 100 | Qantas is an airlines of:<br>(A) Singapore (B) New Zealand (C) Australia (D) Fiji                                                                                                                                                                                                        |

**PAPER TYPE: D**  
**Sindh Public Service Commission, Hyderabad.**

**Pre-Interview Written Test for the post of Prosecuting Inspector BPS-16**  
**under Mines & Mineral Development Department, Government of Sindh.**

Thursday the 15<sup>th</sup> October, 2015  
Time: 01 :00 pm to 02 : 30 pm

Maximum marks: 100

**QUESTION PAPER**

**General Instructions:**

- 01 Candidates are to attempt all questions.
- 02 Write your Roll No, Name, Father's/Husband's Name & Centre on the Answer Sheet within the space provided.
- 03 Do not write these data anywhere else on the answer sheet. Doing so will render the candidate disqualified.
- 04 Follow instructions on the Answer sheet to mark your response correctly. Answer carefully by filling one of the appropriate blank cells provided in the Answers Sheet with Black or Blue ball pen only.
- 05 Sign your answer sheet in space provided above.
- 06 Return both your Question paper and Answer sheet after the exams.

**Most Important: Any Candidate found in possession of mobile phone or any similar device in the examination hall will be expelled from the Examination Hall . Question paper is part of answer sheet for assessment purpose. No candidate is allowed to carry question paper / answer sheet out of the examination hall.**

|    |                                                                                                                                                                                                                |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | Section _____, deals with Security for good behaviour from habitual offenders.<br>(A) 107 Cr.PC. (B) 110 Cr.PC (C) 152 Cr.PC (D) 187 Cr.PC.                                                                    |
| 02 | Under Section 46 Cr.PC _____ of body is sufficient for arrest.<br>(A) Capturing (B) Touching (C) Holding (D) None of these.                                                                                    |
| 03 | Pakistan Penal Code was passed on:<br>(A) 7 <sup>th</sup> April, 1860 (B) 6 <sup>th</sup> October, 1860 (C) 7 <sup>th</sup> October, 1860 (D) None of these                                                    |
| 04 | Power to suspend or remit sentences is dealt under Section:<br>(A) 400 CrPC (B) 401 CrPC (C) 402 CrPC (D) 403 CrPC                                                                                             |
| 05 | There are _____ members of SAARC: (A) 8 (B) 7 (C) 5 (D) 6                                                                                                                                                      |
| 06 | Kidnapping includes: (A) Kidnapping from Pakistan<br>(B) Kidnapping from lawful guardianship<br>(C) Kidnapping from Pakistan and from lawful guardianship (D) None of these.                                   |
| 07 | The International Court of Justice is Located in:<br>(A) New York (B) Washington (C) Geneva (D) The Hague.                                                                                                     |
| 08 | Ocular account of evidence comes from:<br>(A) Eye Witness (B) Chance Witness (C) Hostile Witness (D) Hearsay Witness.                                                                                          |
| 09 | What is the total area of Sindh Province?<br>(A) 74,521 sq km (B) 140,914 sq km (C) 347,190 sq km (D) 205,344 sq km                                                                                            |
| 10 | The earliest mosque in Sub-continent is situated in:<br>(A) Jacobabad (B) Sukkur (C) Rohri (D) Banbhore                                                                                                        |
| 11 | Where an evidence is partly recorded by one presiding Officer and partly by another, the procedure the conviction is given under Section:<br>(A) 350 CrPC (B) 350(1) CrPC (C) 350(2)(3) CrPC (D) All of these. |
| 12 | "Prima facie" is:<br>(A) Evidence (B) False picture (C) Evidence good and sufficient on its face (D) None of these.                                                                                            |
| 13 | Which mountain range is located in Sindh Province?<br>(A) Himalaya (B) Karakoram Range (C) Kirthar Range (D) Salt Range.                                                                                       |
| 14 | Objective Resolution was passed in:<br>(A) October, 1949 (B) March, 1949 (C) April, 1948 (D) None of these.                                                                                                    |
| 15 | Criminal Breach of Trust has been defined in Section:<br>(A) 404 PPC (B) 405 PPC (C) 406 PPC (D) 407 PPC                                                                                                       |
| 16 | Electric current is measured by:<br>(A) Voltmeter (B) Anemometer (C) Commutator (D) Ammeter.                                                                                                                   |
| 17 | Sindh Enquiries " Anti-corruption Act was enacted in: (A) 1991 (B) 1993 (C) 1968 (D) None of these.                                                                                                            |

|    |                                                                                                                                                                                                            |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 18 | First Space satellite was launched by Pakistan in the year:<br>(A) 1993 (B) 1992 (C) 1995 (D) 1990                                                                                                         |
| 19 | The Section which states that the persons once convicted or acquitted are not to be tried for the same offence:<br>(A) 401 CrPC (B) 402 CrPC (C) 403 CrPC (D) 404 CrPC                                     |
| 20 | The largest ocean of the world is:<br>(A) Atlantic (B) Indian (C) Pacific (D) None of these.                                                                                                               |
| 21 | Disposition of medical witnesses and power to summon medical witnesses comes under Section:<br>(A) 508 CrPC (B) 508-A CrPC (C) 509 CrPC (D) 510 CrPC                                                       |
| 22 | Interim order is:<br>(A) Final Order (B) Internal Order (C) Any Order of court before its final order (D) None of these.                                                                                   |
| 23 | The compensation provided under Section 323 PPC, payable to the legal heirs is called:<br>(A) Qisas (B) Diyat (C) Daman (D) Arsh.                                                                          |
| 24 | A Police Officer has the authority to prevent injury to public property under Section:<br>(A) 151 CrPC (B) 155 CrPC (C) 153 CrPC (D) 152 CrPC                                                              |
| 25 | During the British era first time the Mines Act was enacted in:<br>(A) 1925 (B) 1923 (C) 1935 (D) None of these.                                                                                           |
| 26 | The Right of Private Defence of person and property is provided under: (A) Arms Ordinances<br>(B) Criminal Procedure Code (C) Pakistan Penal Code (D) Civil Procedure Code.                                |
| 27 | NAB Ordinance was enacted in: (A) 2001 (B) 1999 (C) 2000 (D) None of these.                                                                                                                                |
| 28 | Judges may be removed by:<br>(A) Federal Shariat Court (B) High court (C) Supreme Court (D) Supreme Judicial Council                                                                                       |
| 29 | Admission is used in ____ kind of cases.<br>(A) Civil (B) Criminal (C) None of these (D) Family.                                                                                                           |
| 30 | The world's highest mountain is in: (A) Pakistan (B) Nepal (C) India (D) China.                                                                                                                            |
| 31 | According to which Section of Criminal Procedure Code, evidence is to be taken in presence of accused:<br>(A) 401 (B) 341 (C) 340 (D) 353                                                                  |
| 32 | "Vox populi", suggests: (A) Voice of the People (B) Noise<br>(C) High musical sound (D) None of these.                                                                                                     |
| 33 | Anyone guilty of sale of adulterated drug shall be punished with:<br>(A) Imprisonment extendable to six months (B) Fine extendable to three thousand rupees<br>(C) Both A & B (D) All of these.            |
| 34 | "Jurisdiction", in company matters is to be exercised by: (A) Any Judge of High Court<br>(B) Civil Court (C) Company Bench of the High Court (D) None of these.                                            |
| 35 | Under Article 46 of Qanoon-e-Shahadat Order 1984 the cases in which statement of relevant fact by person who is dead or cannot be found etc:<br>(A) Irrelevant (B) Relevant (C) Partly (D) All of these.   |
| 36 | Section ____ of CrPC confers upon an Officer In-Charge of a Police Station to arrest vagabonds, Habitual Robbers, etc. (A) 54 (B) 51 (C) 56 (D) 55                                                         |
| 37 | If there is no wali of deceased then the Government will be wali as provided in:<br>(A) Section 306, P.P.C. (B) Section 305, P.P.C. (C) Section 304, P.P.C. (D) None of these.                             |
| 38 | "Doctrine of estoppels" is derived from:<br>(A) German Law (B) English Law (C) French Law (D) None of these.                                                                                               |
| 39 | All India Muslim League founded in:<br>(A) 1905 (B) 1906 (C) 1904 (D) None of these.                                                                                                                       |
| 40 | A formal charge framed against the accused under Section 221 of CrPC containing the :<br>(A) Contents of FIR (B) A burden of claim (C) Investigation steps of Police<br>(D) Action of Judge after Challan. |
| 41 | The elements must for "Good faith" are:<br>(A) Due care and attention. (B) Intention and motive<br>(C) Due care and intention (D) Motive and attention.                                                    |
| 42 | "Prevention of Corruption Act" in Pakistan was promulgated in:<br>(A) 1947 (B) 1949 (C) 1935 (D) None of these                                                                                             |
| 43 | 26 <sup>th</sup> January is India's:<br>(A) Independence Day (B) Republic Day (C) Revolution Day (D) Parliament Day.                                                                                       |
| 44 | Section ____ of CrPC authorizes/empowers a District Magistrate or Sub Divisional Magistrate to prohibit repetition or continuance Public nuisance: (A) 133 (B) 151 (C) 134 (D) 161                         |
| 45 | A decree may be executed by the court:<br>(A) Which sends it for execution (B) Which passed it (C) Both A & B (D) None of these.                                                                           |

|    |                                                                                                                                                                                                                                                    |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 46 | An accomplice shall be competent as witness against an accused except in cases of:<br>(A) Tazir (B) Felony (C) Qisas and Hadd (D) Mischief.                                                                                                        |
| 47 | The Land Acquisition (Mines), Act of India was enacted in:<br>(A) 1865 (B) 1885 (C) 1916 (D) None of these.                                                                                                                                        |
| 48 | The real name of Shah Waliullah was:<br>(A) Qutabuddin Ahmed (B) Nizam-u-din Ahmed<br>(C) Naeem-ud-din Ahmed Syed (D) None of these.                                                                                                               |
| 49 | Section 514 of CrPC deals with:<br>(A) Deposit of money instead of surety<br>(B) Procedure on forfeiture of bond<br>(C) Procedure in case of solvency or death of surety or when a bond is forfeited<br>(D) Bond required from a minor             |
| 50 | Criminal Tress Pass is defined in Section:<br>(A) 440 PPC (B) 441 PPC (C) 442 PPC (D) 443 PPC                                                                                                                                                      |
| 51 | The elements which constitute theft according to Section 378 of PPC are: (A) Intentions and Motive<br>(B) Intention and Dishonesty (C) Malice and Motive (D) Consent and Dishonesty.                                                               |
| 52 | "Alimony," implies to:<br>(A) Property given to a daughter by her parents (B) Share of property given by brothers to a sister<br>(C) The maintenance given by a husband (D) None of these.                                                         |
| 53 | The form of FIR contains: (A) 4 columns (B) 5 columns (C) 6 columns (D) 7 columns                                                                                                                                                                  |
| 54 | The dynamo is a device for converting: (A) Heat energy into electrical energy<br>(B) Mechanical energy into electrical energy<br>(C) Magnetic energy into electrical energy (D) None of these.                                                     |
| 55 | "In lieu" indicates: (A) Original (B) In place of (C) Without evidence (D) None of these.                                                                                                                                                          |
| 56 | Section _____ of Criminal Procedure Code is related to the duties of Police to inquire on suicide etc:<br>(A) 177 (B) 174 (C) 161 (D) 171                                                                                                          |
| 57 | Time limitation for appeal under the Code of Criminal Procedure, 1898 from a sentence of death passed by the Court of Session or by a High Court in its original jurisdiction:<br>(A) Three days (B) Seven days (C) Fourteen days (D) Thirty days. |
| 58 | The Police Act was enacted in: (A) 1935 (B) 1934 (C) 1939 (D) None of these.                                                                                                                                                                       |
| 59 | The term "Mens rea" means:<br>(A) Constructive (B) Common (C) Actual (D) Fundamental.                                                                                                                                                              |
| 60 | The Revision Jurisdiction in Criminal matters lies with:<br>(A) Session Court (B) High Court (C) Supreme Court (D) Federal Shariat Court.                                                                                                          |
| 61 | Public Servant is defined under: (A) Pakistan Penal Code (B) Criminal Procedure Code<br>(C) General Clauses Act (D) Civil Procedure Code                                                                                                           |
| 62 | _____ Section of CrPC deals with the "Information in Non-Cognizable Cases":<br>(A) 100 (B) 155 (C) 156 (D) 135                                                                                                                                     |
| 63 | "Amicus Curiae", means:<br>(A) Advocate of the respondent (B) An Advocate asked by the court to assist the case voluntarily<br>(C) Advocate General (D) None of these.                                                                             |
| 64 | The Criminal Procedure Code divides offenses in _____ kinds. (A) 2 (B) 3 (C) 4 (D) 5                                                                                                                                                               |
| 65 | A Criminal Charge is framed against the accused: (A) At the Start of Trail (B) During Enquiry<br>(C) During investigation (D) During Statement of Accused.                                                                                         |
| 66 | The limitation for filing appeal against the judgment acquittal by the Government:<br>(A) 30 days (B) 90 days (C) 60 days (D) None of these.                                                                                                       |
| 67 | Sindh Mining Concession Rules were enacted in :<br>(A) 2005 (B) 2002 (C) 1988 (D) None of these.                                                                                                                                                   |
| 68 | Which from the following countries does not yield veto-power?<br>(A) USA (B) Canada (C) United Kingdom (D) China                                                                                                                                   |
| 69 | A person shall not be competent to testify if has been convicted by a court for:<br>(A) Perjury (B) Giving false evidence (C) Bad character (D) Both A & B                                                                                         |
| 70 | The direction in the nature of "Habeas Corpus" is issued by the :<br>(A) Magistrate (B) Sessions Court (C) High Court (D) Supreme court                                                                                                            |
| 71 | The plea of Alibi is a question of: (A) Appreciation of Evidence (B) Decision by Court<br>(C) Investigation by Police (D) Arrest of Accused.                                                                                                       |
| 72 | The offence of "Wrongful restraint" is defined in: (A) 353 (B) 339 (C) 332 (D) None of these.                                                                                                                                                      |
| 73 | The word "Fraudulently" defined in Section _____ of PPC :<br>(A) 83 (B) 25 (C) 25 (D) All of these                                                                                                                                                 |



|     |                                                                                                                                                                                                                                                     |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 74  | "INTERPOL", is:<br>(A) UN Armed force (B) International Police (C) UN Peace Keepers (D) None of these.                                                                                                                                              |
| 75  | Arrest of Accused in Appeal from acquittal pending before High Court is dealt under Section:<br>(A) 424 CrPC (B) 421 CrPC (C) 426 CrPC (D) 427 CrPC                                                                                                 |
| 76  | The hardest substance available on earth is: (A) Platinum (B) Diamond (C) Quartz (D) Gold.                                                                                                                                                          |
| 77  | A person accused of Non-Bailable offence is arrested or detained without warrant, such person shall be released on Bail under Section:<br>(A) 496 CrPC (B) 498 CrPC (C) 494 CrPC (D) 493 CrPC                                                       |
| 78  | Muslim Family Law Ordinance was enacted in: (A) 1961 (B) 1959 (C) 1960 (D) None of these.                                                                                                                                                           |
| 79  | A Magistrate is competent to release the accused without recording evidence and making an order of acquittal, conviction or discharge under Section:<br>(A) 204 CrPC (B) 248 CrPC (C) 249 CrPC (D) 249-A CrPC                                       |
| 80  | The First Chief Justice of Pakistan is: (A) Abdur Rashid (B) Salim Uszaman Siddique<br>(C) Sajjad Ali Shah (D) Irshad Hassan Khan                                                                                                                   |
| 81  | Under Section 4(h) of the Criminal Procedure Code, the complaint is to be made to the:<br>(A) Civil Judge (B) Magistrate (C) Police Officer (D) Sessions Court.                                                                                     |
| 82  | The largest producer of Rice is: (A) Thailand (B) Pakistan (C) India (D) China.                                                                                                                                                                     |
| 83  | The property of absconder accused is attached under Section:<br>(A) 87 CrPC (B) 88 CrPC (C) 512 CrPC (D) 514 CrPC                                                                                                                                   |
| 84  | Galvanized Iron sheets have a coating of: (A) Tin (B) Lead (C) Zinc (D) Chromium                                                                                                                                                                    |
| 85  | According to Section 371 of CrPC, the copy of the Judgment shall be given to Accused for:<br>(A) One Hundred Rupees (B) Free of Cost (C) Ten Rupees (D) Fifty Rupees                                                                                |
| 86  | The Public Prosecutor works on:<br>(A) Original Criminal Jurisdiction<br>(B) Original Civil Jurisdiction (C) Appellate Jurisdiction (D) Writ Jurisdiction.                                                                                          |
| 87  | The Government of India Act, 1935 was originally passed in:<br>(A) March, 1935 (B) November, 1935 (C) August, 1935 (D) None of these.                                                                                                               |
| 88  | "Mirani", dam exist in: (A) Punjab (B) Sindh (C) Baluchistan (D) None of these.                                                                                                                                                                     |
| 89  | IBM stands for:<br>(A) International Big Machines<br>(B) International Business Machines (C) Interrelated business machines (D) None of these.                                                                                                      |
| 90  | The speed of light with the rise in the temperature of the medium:<br>(A) Increases (B) Decreases (C) Remains unaltered (D) Drops sharply                                                                                                           |
| 91  | Powers of a Magistrate to reject sureties comes under Section:<br>(A) 120 CrPC (B) 121 CrPC (C) 122 CrPC (D) 124 CrPC                                                                                                                               |
| 92  | The first Nuclear Power Plant in Pakistan was established at:<br>(A) Chahgi (B) Khushab (C) Chashma (D) Karachi.                                                                                                                                    |
| 93  | Qatl e Amad is punishable under Section: (A) 318 PPC (B) 319 PPC (C) 302 PPC (D) 303 PPC                                                                                                                                                            |
| 94  | An appeal against the order of acquittal passed by the Magistrate of first Class Court is to be filed before:<br>(A) High Court (B) District & Sessions Judge Court<br>(C) Supreme Court of Pakistan (D) Before the Assistant Sessions Judge Court. |
| 95  | The Constitution of Pakistan 1956 was promulgated on:<br>(A) 14-08-1956 (B) 23-03-1965 (C) 01-05-1956 (D) None of these.                                                                                                                            |
| 96  | A Confession is considered irrelevant by a court in Criminal Proceedings if it is made:<br>(A) If it is made due to inducement (B) Due to Threat<br>(C) Due to any promise to the confessor's interest (D) All of these.                            |
| 97  | Who was the first recipient of Nishan-e-Haider?<br>(A) Raja Muhammad Sarwer (B) Major Aziz Bhatti (C) Major Tufail Muhammad (D) Rahsid Minhas                                                                                                       |
| 98  | Which Radio Station already existed at the time of creation of Pakistan:<br>(A) Peshawar (B) Karachi (C) Quetta (D) None of these.                                                                                                                  |
| 99  | The predominantly responsible for global warming is:<br>(A) Carbon dioxide (B) Carbon monoxide (C) Nitrous oxide (D) Nitrogen peroxide                                                                                                              |
| 100 | The question of good character or bad character of witness is applicable in:<br>(A) Civil Suit (B) Criminal Matter (C) Family Matter (D) Rent Matter.                                                                                               |

## PAPER TYPE: D

### SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

### PRE-INTERVIEW WRITTEN TEST FOR THE POST OF SUB-ENGINEER (BPS-11) IN WORKS AND SERVICES DEPARTMENT, GOVERNMENT OF SINDH

Thursday the 2<sup>nd</sup> January, 2014

Time: 02:00 pm to 03:00 pm

Maximum marks: 100

#### QUESTION PAPER

#### General Instructions to the candidates:

- 01 Candidates are to attempt all questions.
- 02 Write your Roll No., Name, Father's Name & Centre on the Answer Sheet within the space provided.
- 03 Do not write these data anywhere else on the Answer sheet. Doing so will render the candidate disqualified.
- 04 Follow instructions on the Answer Sheet to mark your responses correctly. Answer carefully by filling one of the appropriate blank cells provided in the Answer Sheet with black or blue ball pen only.
- 05 Each incorrect answer will result in deduction of half (1/2) mark.
- 06 Sign your answer sheet in space provided
- 07 Return your Question paper & Answer Sheet after attempting the Question paper.

**MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. QUESTION PAPER IS PART OF ANSWER SHEET FOR ASSESSMENT PURPOSE. NO CANDIDATE IS ALLOWED TO CARRY QUESTION PAPER/ANSWER SHEET OUT OF THE EXAMINATION HALL.**

|    |                                                                                                                                                                                                        |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | Accurate determination of water content, is made by<br>(A) Calcium carbide method (B) Sand bath method (C) Alcohol method (D) Oven-drying method                                                       |
| 02 | Joule is the unit of (A) Work (B) Force (C) Power (D) Energy                                                                                                                                           |
| 03 | M10 grade of concrete approximates<br>(A) 1 : 3 : 6 mix (B) 1 : 1 : 2 mix (C) 1 : 2 : 4 mix (D) 1 : 1.5 : 3 mix                                                                                        |
| 04 | Curing (A) reduces the shrinkage of concrete (B) Preserves the properties of concrete<br>(C) Prevents the loss of water by evaporation (D) All of these                                                |
| 05 | Work may be defined as<br>(A) Force x distance (B) Force x velocity (C) Force x acceleration (D) None of these                                                                                         |
| 06 | Method used for chaining on sloping ground is called (A) Stepping method<br>(B) Hypotenuse allowance method (C) Clinometer method (D) Both (a) & (b)                                                   |
| 07 | The number of treads in a flight is equal to<br>(A) Risers in the flight (B) Risers plus one (C) Risers minus one (D) None of these                                                                    |
| 08 | Compact aggregate of minerals found in the earth's crust is called<br>(A) Rock (B) Stone (C) Soil (D) Magma                                                                                            |
| 09 | Which of the following instruments is used for measurement of angles<br>(A) Geodimeter (B) Tellurometer (C) Sextant (D) Telescope                                                                      |
| 10 | What is speed of sound in water<br>(A) Around 1000 m/sec (B) Around 1200 m/sec (C) Around 1440 m/sec (D) Around 900 m/sec                                                                              |
| 11 | The foundations are placed below ground level, to increase<br>(A) Strength (B) Workability (C) Stability of structure (D) All of these                                                                 |
| 12 | For which purpose instrument centrifuge is used<br>(A) To separate liquids (B) To separate solids (C) To separate mixture of chemicals (D) None of these                                               |
| 13 | The minimum water content at which the soil just begins to crumble when rolled into treads 3 mm in diameter, is known<br>(A) Liquid limit (B) Plastic limit (C) Shrinkage limit (D) Permeability limit |
| 14 | Why cooking become so fast in pressure cooker? (A) It decreases the boiling point<br>(B) It increases the boiling point (C) Boiling point will remain same (D) Cooking is not getting quicker          |
| 15 | The product of mass and velocity of a moving body, is called<br>(A) Moment (B) Momentum (C) Power (D) Impulse                                                                                          |
| 16 | The length of Engineer's chain should be (A) 100 ft (B) 66 ft (C) 30 meters (D) 20 meters                                                                                                              |
| 17 | An imaginary line joining the points of equal elevation on the surface of the earth, represents<br>(A) Contour surface (B) Contour gradient (C) Contour line (D) Level line                            |
| 18 | Give the number of letters in first Kalmah (A) 35 (B) 48 (C) 55 (D) 65                                                                                                                                 |
| 19 | The water surface reading of a still pond represents<br>(A) Level surface (B) Horizontal surface (C) Spheroidal surface (D) Curved surface                                                             |

|    |                                                                                                                                                                                                                                           |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20 | When Liaquat Ali Khan Joined Muslim League?<br>(A) 1906 AD (B) 1930 AD (C) 1923 AD (D) 1940 AD                                                                                                                                            |
| 21 | Plants are green because of the presence of a pigment called<br>(A) Glucose (B) Nitrogen (C) Chlorophyll (D) Oxygen                                                                                                                       |
| 22 | The effective size of particles of soil is denoted by (A) D10 (B) D20 (C) D30 (D) D60                                                                                                                                                     |
| 23 | Who Presided over first meeting in which Muslim League was established?<br>(A) Nawab Waqarul Mulk (B) Allama Iqbal (C) Nawab Salmullah (D) Sir Agha Khan                                                                                  |
| 24 | An ideal vertical curve to join two gradients, is:<br>(A) Circular (B) Parabolic (C) Elliptical (D) Hyperbolic                                                                                                                            |
| 25 | Stress may be defined as (A) Force per unit length<br>(B) Force per unit volume (C) Force per unit area (D) None of these                                                                                                                 |
| 26 | Geodetic surveying is different from plane surveying because of (A) Very large area is covered<br>(B) The curvature of the earth is considered (C) The topography is bad (D) The large difference of elevations                           |
| 27 | Cast iron is used for (A) Structural works in beams (B) Small size pipe waters (C) Columns and struts                                                                                                                                     |
| 28 | The damp proof course (D.P.C) is measured in (A) Cub m (B) Sq m (C) Meters (D) None of these                                                                                                                                              |
| 29 | Bob meter is used to measure (A) Radiant energy (B) Purity of milk (C) Specific gravity (D) None of these                                                                                                                                 |
| 30 | The forces which meet at one point and have their lines of action in different planes are called<br>(A) Coplanar non-concurrent forces (B) Non-coplanar concurrent forces<br>(C) Non-coplanar non-current forces (D) Intersecting forces  |
| 31 | One Newton force, is: (A) 103 dynes (B) 104 dynes (C) 105 dynes (D) 106 dynes                                                                                                                                                             |
| 32 | The number of bricks required per cubic meter of brick masonry is (A) 400 (B) 450 (C) 500 (D) 550                                                                                                                                         |
| 33 | The main principle of surveying is to work (A) From part to the whole (B) From whole to the part<br>(C) From higher level to the lower level (D) From lower level to higher level                                                         |
| 34 | What is length of the Durand line which separate Pakistan from Afghanistan<br>(A) 12240 km (B) 2040 km (C) 2240 km (D) 2640 km                                                                                                            |
| 35 | The unit of Moment of Inertia of a body, is (A) m (B) m <sup>2</sup> (C) m <sup>3</sup> (D) m <sup>4</sup>                                                                                                                                |
| 36 | In a mortar, the binding material is (A) Cement (B) Sand (C) Surkhi (D) Cinder                                                                                                                                                            |
| 37 | The total domestic consumption in a city as compared to total demand of city is<br>(A) 20% (B) 30% (C) 60% (D) 75%                                                                                                                        |
| 38 | The base line is measured with (A) Metallic tape (B) Steel tape (C) Invar tape (D) Chain                                                                                                                                                  |
| 39 | Who was first President of Muslim league?<br>(A) Qaid Azam Mohammad Ali Jinnah (B) Allama Iqbal (C) Liaquat Ali Khan (D) Sir Agha Khan                                                                                                    |
| 40 | Why does a ball, which falls down becomes up? Due to<br>(A) Gravity (B) Elasticity (C) Speed (D) Acceleration                                                                                                                             |
| 41 | The main factor to be considered while preparing a detailed estimate, is<br>(A) Quantity of the materials (B) Availability of materials (C) Transportation of materials<br>(D) Location of site and local labour charges (E) All of these |
| 42 | In which year Zakat was made obligatory (A) 1 A.H (B) 2 A.H (C) 3 A.H (D) 4 A.H                                                                                                                                                           |
| 43 | Proper proportioning of concrete, ensures (A) Desired strength and workability<br>(B) Desired durability (C) Water tightness of the structure (D) Resistance of water (E) All of these                                                    |
| 44 | What is Quartz? (A) Mineral that is made of silica (C) Mineral that is made of carbon<br>(C) Mineral that is made of carbon and Silica (D) None of these                                                                                  |
| 45 | Principle of surveying followed to prevent accumulation is (A) To work from whole to the part<br>(B) To work from part to whole (C) None of these (D) Both (a) & (b)                                                                      |
| 46 | What was Profession of Hazrat Abu Baker Siddique (RA)?<br>(A) Tailor (B) Furniture merchant (C) Cloth merchant (D) None of these                                                                                                          |
| 47 | The diameter of longitudinal bars of a column should never be less than<br>(A) 6mm (B) 8mm (C) 10mm (D) 12mm                                                                                                                              |
| 48 | Tachometric is adopted where (A) Too many curves at the borders exist<br>(B) Obstacles, undulations exist (C) Limitation of space exist (D) None of these                                                                                 |
| 49 | For how many time the word Zakat is mentioned in Holly Quran?<br>(A) 12 times (B) 22 times (C) 32 times (D) 42 times                                                                                                                      |
| 50 | Accurate centering of plane table is done by (A) Spirit level (B) Plumbing fork (C) Alidade (D) Ranging rod                                                                                                                               |

## PAPER TYPE: A

### Sindh Public Service Commission Hyderabad

#### Screening Test for Combined Competitive Examination 2013

Sunday the 28<sup>th</sup> December 2014  
Time: 11 :00 am to 12 : 30 pm

Maximum marks: 100

#### Question Paper

##### General Instructions:

- 01 Please attempt all questions which carry equal marks.
- 02 Write your Roll No, Name, Father's/Husband's Name & Centre on the Answer Sheet within the given space.
- 03 Do not write this data elsewhere on the answer sheet. Doing so will render the candidate disqualified.
- 04 Follow instructions on the Answer sheet to mark your response correctly. Answer carefully by filling one of the appropriate blank cells provided in the Answer Sheet with Black or Blue ball pen only.
- 05 Sign your answer sheet in the given space.
- 06 Return your Question Paper alongwith Answer Sheet before leaving examination centre.

**Most Important: Any candidate found in possession of Mobile Phone or any similar device in the Examination centre will be expelled. Question Paper is part of Answer Sheet for assessment purposes. No candidate is allowed to take away Question Paper/Answer Sheet out of the centre except carbon copy of Answer Sheet**

#### English General

|                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01                                                                | The sentence that follows is (Direct Speech). Choose the most appropriate sentence in Indirect Speech from the given combinations. "Dear bird", she said, stroking its feathers, "have you come to comfort me in my sorrows?"<br>A. She exclaimed whether he had come to comfort her sorrows by stroking the Birds feathers.<br>B. She asked affectionately whether or not it had come to comfort her sorrows while stroking the bird's feathers.<br>C. She said if it had come to comfort her sorrows while stroking bird's feathers.<br>D. Stroking the bird's feathers, she asked affectionately whether it had come to comfort her in her sorrows. |
| 02                                                                | "Why did he defraud you of your earnings" (Passive Voice). Choose the correct Active Voice from the given combinations?<br>(A) Why I was defrauded of my earnings. (B) Why were you defrauded of your earnings<br>(C) Why was I defrauded of my earnings, (D) Why was he defrauded of his earnings..                                                                                                                                                                                                                                                                                                                                                   |
| <b>Identify the weak spot / error in the following sentences:</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 03                                                                | With <u>little</u> patience you <u>will be able to cross</u> <u>this hurdle</u><br>A B C D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 04                                                                | The <u>school</u> is <u>within hundred yards</u> <u>from</u> <u>my house</u><br>A B C D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 05                                                                | I go <u>to the bed</u> <u>at eight</u> <u>every night</u> .<br>A B C D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Identify the correct sentence from the following options:</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 06                                                                | (A) I hope he will grant me an interview (B) I hope that he shall grant me interview<br>(C) I expected he will grant me an interview (D) I think he will grant me interview                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 07                                                                | (A) You, he and I should do it (B) I, you and he should do it (C) He, you and I should do it<br>(D) He, you and me should do it.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Analogies</b>                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 08                                                                | Crumb : Bread<br>(A) ounce : unit (B) splinter : wood (C) water : bucket (D) cream : butter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 09                                                                | Image : Picture<br>(A) busy : spare (B) room : spare (C) extra : spare (D) room : cupboard.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 10                                                                | Gil : Fin<br>(A) instrument : violin (B) sea : fish (C) salad : supper (D) screen : antenna                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|                                               |                                                                                                                                                                                                                                                                            |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>                               |                                                                                                                                                                                                                                                                            |
| 11                                            | Churlish<br>(A) Arrogance (B) Diffidence (C) Courteous (D) Vulgar                                                                                                                                                                                                          |
| 12                                            | Succinct<br>(A) Concise (B) Tranquil (C) Ratify (D) Slowly (E) Superficial                                                                                                                                                                                                 |
| 13                                            | Inclement (A) deny (B) increase (C) dispose (D) rough                                                                                                                                                                                                                      |
| 14                                            | Idiosyncrasy (A) peculiarity (B) skilful (C) ardent (D) mirage                                                                                                                                                                                                             |
| 15                                            | Montage (A) Combination of images (B) Ornate Coin (C) Wax (D) Final work                                                                                                                                                                                                   |
| 16                                            | Hermetic: (A) Airtight (B) Imitate (C) Open (D) Unsettled                                                                                                                                                                                                                  |
| <b>Antonyms</b>                               |                                                                                                                                                                                                                                                                            |
| 17                                            | Capricious<br>(A) Intrinsic (B) Certain (C) Rest (D) Shaky (E) Copy                                                                                                                                                                                                        |
| 18                                            | Facetious<br>(A) Tongue-in-check (B) Teasing (C) Serious (D) Copy                                                                                                                                                                                                          |
| 19                                            | Brittle (A) easy (B) noise (C) tough (D) wise                                                                                                                                                                                                                              |
| 20                                            | Fatuous (A) Keen (B) Dense (C) Stupid (D) Childish                                                                                                                                                                                                                         |
| <b>SPECIFY THE WORD WITH CORRECT SPELLING</b> |                                                                                                                                                                                                                                                                            |
| 21                                            | (A) Acquiescence (B) Aquisence (C) Aquasence (D) Aqasense.                                                                                                                                                                                                                 |
| 22                                            | (A) Perennial (B) Perrinial (C) Perenial (D) Perrinal                                                                                                                                                                                                                      |
| 23                                            | (A) Idiosyncratic (B) Idiasyncratic (C) Idasincratic (D) Idysnkratic                                                                                                                                                                                                       |
| 24                                            | (A) Desqueiting (B) Disqiuteting (C) Disquieting (D) Desqeteing                                                                                                                                                                                                            |
| 25                                            | (A) Indefitigible (B) Indiffategable (C) Indifatigable (D) Indefatigable                                                                                                                                                                                                   |
| <b>Fill in the blanks</b>                     |                                                                                                                                                                                                                                                                            |
| 26                                            | Many cultural historians believe that language has a _____ purpose: It serves not only as a means of communication but also as a means of defining culture: (A) Foreign (B) Literary (C) Direct (D) Dual                                                                   |
| 27                                            | Many healing practices that doctors once derided as _____ have now been sanctioned by the medical community.<br>(A) Inefficacious (B) Benign (C) Diagnostic (D) Therapeutic                                                                                                |
| 28                                            | Drug addicts in Pakistan are _____ in special centres set up by the Government.<br>(A) consolidated (B) consulted (C) inhabited (D) indoctrinated.                                                                                                                         |
| 29                                            | _____ yourself to the circumstances:<br>(A) Adapt (B) Adopt (C) Adept (D) Convert.                                                                                                                                                                                         |
| 30                                            | The farmhouse was so isolated that they had to generate their own electricity _____.<br>(A) current (B) grid (C) power (D) supply                                                                                                                                          |
| <b>Choose the correct answer.</b>             |                                                                                                                                                                                                                                                                            |
| 31                                            | (A) He talks as if he were mad (B) He talks as if he is mad (C) He talks as if he shall mad.                                                                                                                                                                               |
| 32                                            | (A) I am thinking you are wrong (B) I am thinking that you are wrong (C) I think you are the wrong.                                                                                                                                                                        |
| 33                                            | (A) He is very obliged to me (B) He is much obliged to me (C) he is gradually obliged to me.                                                                                                                                                                               |
| 34                                            | The idiom "Keep body and soul together" literally means:<br>(A) To be a diehard (B) To just be able to pay for the things for one's survival<br>(C) To watch and listen carefully (D) To remain cool and calm specially in difficult situation                             |
| 35                                            | One who totally abstains from alcoholic drinks. (A) Recluse (B) Teetotaler (C) Stoic (D) Rustic                                                                                                                                                                            |
| <b>GENERAL KNOWLEDGE</b>                      |                                                                                                                                                                                                                                                                            |
| 36                                            | Fuleli Canal originating from Kotri Barrage on Indus River, its original name is:<br>(A) Pinjiari (B) Mithrao (C) Gooni (D) Mirwah                                                                                                                                         |
| 37                                            | Ancient archeological site KAHU-jo-DARO is located in the civil district of Sindh:<br>(A) Dadu (B) Umerkot (C) Sanghar (D) Mirpurkhas                                                                                                                                      |
| 38                                            | The small fort (enclosure) within Ranikot is known as: (A) Mirikot (B) Shergharh (C) Naukot (D) Kotdiji                                                                                                                                                                    |
| 39                                            | The local name for famous Sindh Ibex (Mountain goat) is: (A) Ther (B) Sarah (C) Gud (D) Poosh                                                                                                                                                                              |
| 40                                            | A large water pond to collect rainwater in Thar and known by the name Bhodesar is located in Taluka:<br>(A) Chachro (B) Mithi (C) Diplo. (D) Nangarparkar                                                                                                                  |
| 41                                            | L.B.O.D. (Left Bank Outfall Drain) is the spinal drain which collects excess of rainwater, finally drains into Arabian sea through: (A) Dhoro Puran (B) Samdo Creek (C) Shakoor (D) Sir Creek                                                                              |
| 42                                            | The longest rigid steel girder bridge on Indus river (Lansdowne bridge) connecting Rohri city with Sukkur city was inaugurated on:<br>(A) 05 <sup>th</sup> August, 1872 (B) 1 <sup>st</sup> January, 1898 (C) 25 <sup>th</sup> March 1889 (D) 27 <sup>th</sup> March 1889. |
| 43                                            | A distinct marking by colour band, line or two tone on all ocean going vessels is known as:<br>(A) Plimsoll line (B) Archimedes line (C) Bouncy line (D) Datum line.                                                                                                       |
| 44                                            | Midnight "Sun" is a phenomenon of _____. (A) Northern portion of Arctic Circle. (B) The entire Arctic Circle (C) The Antarctic Circle (D) Tilted position of Earth on its axis.                                                                                            |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 45 | The famous suspension Brooklyn Bridge connects islands in New York _____<br>(A) Brooklyn with Queens (B) Brooklyn with Bronx (C) Brooklyn with Staten (D) Brooklyn with Manhattan                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 46 | For which purpose seismograph is used: (A) For predicting earthquake (B) For recording earthquake<br>(C) For measuring intensity of earthquake (D) For locating epicenter of earthquake                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 47 | Recent advances made in colour Doppler M.R.I (Magnetic Resonance Imaging) works on:<br>(A) Electro-magnetic waves (B) Infra-red radiation (C) Sound waves (D) Micro-wave oscillation.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 48 | The chief characteristic of the Government of India Act of 1935 was: (A) Federal Government at the Centre<br>(B) Unitary Government at the Centre (C) Interim Government at the Centre (D) Provincial autonomy.                                                                                                                                                                                                                                                                                                                                                                                          |
| 49 | The affairs of East India Company came into the hands of the British Crown under:<br>(A) Pitt's India Act (B) Cabinet Mission Plan (C) Regulating Act (D) Government of India Act.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 50 | The title of the Governor General was changed to Viceroy in the year:<br>(A) 1858 A.D (B) 1880 A.D. (C) 1840 A.D. (D) 1860 A.D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 51 | Railway tracks are banked on curves so that: (A) The train may not fall down inward<br>(B) Necessary centrifugal force may be obtained from the horizontal component of the weight of the train.<br>(C) No frictional force may be produced between the track and the wheel<br>(D) To help in automatic turning of the train.                                                                                                                                                                                                                                                                            |
| 52 | An aerated glass bottle breaks when taken out from a refrigerator to a hot climate:<br>(A) Due to higher temperature outside, carbon dioxide gas is released inside the bottle resulting into high pressure which breaks the glass bottle. (B) The volume of liquid expands on heat from outside which breaks the bottle. (C) Outer higher temperature evaporates water on the bottle surface and the process of evaporation results into freezing of water inside and expands the liquid which breaks the bottle. (D) The bottle contracts due to higher temperature resulting into breaking of bottle. |
| 53 | Airship Hindenburg built by Germany met accident resulting into total loss and Death of passengers and crew after anchoring at: (A) London (B) Frankfurt (C) New York (D) France                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 54 | The father of Rocketry specially Saturn V Rocket which made successful moon landing was:<br>(A) Dr. William Hale (B) Hans Kammler (C) Robert H. Goddard (D) Dr. Warner Von Braun.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 55 | Speed of light was first determined by: (A) Remer and Huygens (B) Galilee Galileo<br>(C) Albert Einstein (D) Ole Romer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 56 | Who invented Liquid Crystal Display (LCD) panel:<br>(A) Louis Zanon (B) David Sarnoff (C) George Heileler (D) Friedrich Reinitor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 57 | Which of the following phenomenon gives an evidence for the spherical shape of Earth : (A) Solar Eclipse<br>(B) Lunar Eclipse (C) Venus transition (D) Mars transition                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 58 | Largest Galaxy in Universe is: (A) Andromeda Galaxy (B) Milky-way (C) Spiral Galaxy<br>(D) Horseshoe Galaxy.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 59 | First human heart transplant operation conducted by Dr. Christian Bernard on Louis Washkansky, was conducted in : (A) 1967 (B) 1968 (C) 1958 (D) 1922                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 60 | The intersecting lines drawn on maps and globes are: (A) Latitudes (B) Longitudes (C) Geographic grids<br>(D) None of them.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 61 | The infrared radiation by sun are strongly absorbed by: (A) Carbon dioxide (B) Water vapor<br>(C) Carbon dioxide and water vapors (D) Ozone                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 62 | Which constitution named Pakistan as Islamic Republic of Pakistan : (A) 1948 (B) 1956 (C) 1962 (D) 1973                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 63 | Architecture of Faisal Mosque was designed by: (A) Saudi (B) Turkish (C) American (D) French                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 64 | The first Pakistani woman to scale Mount Everest is _____.<br>(A) Saba Khan (B) Samina Baig (C) Ayesha Ishaq (D) Shiza Bilal                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 65 | Pacemaker is a small device which control disease related to: (A) Ear (B) Eyes (C) Throat (D) Heart                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 66 | Famous social website Face book was founded by:<br>(A) Mark Zuckerberg (B) Steve Jobs (C) Bill Gates (D) Sergey Brin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 67 | World's Largest Delta is in: (A) India (B) Sri Lanka (C) Japan (D) Bangladesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 68 | In 1947, under whose guidance the Civil Service Rules were framed? (A) Liaquat Ali Khan<br>(B) Ghulam Muhammad (C) Ch: Muhammad Ali (D) Quaid-e-Azam Muhammad Ali Jinnah                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 69 | Which amendment made in the constitution, on April, 1974, defined the boundaries of Pakistan?<br>(A) 4 <sup>th</sup> (B) 1 <sup>st</sup> (C) Third (D) 2 <sup>nd</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 70 | Which amendment relates with Shariah Bill? (A) 11 <sup>th</sup> (B) 8 <sup>th</sup> (C) 6 <sup>th</sup> (D) 12 <sup>th</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 71 | Water has maximum density at: (A) 0°C (B) 4°C (C) 4° K (D) 4.8° C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 72 | Speed of sound is greater in solids than in liquids because: (A) The atoms in solids are regularly arranged<br>(B) The liquids have high elasticity (C) The solids have high elasticity (D) The atoms in liquids are closely packed.                                                                                                                                                                                                                                                                                                                                                                     |
| 73 | "Wings of fire" is autobiography of?<br>(A) Shirin Ebadi (B) Dr. Abdul Kadir Khan (C) Etizaz Ehsan (D) Dr. Abdul Kalam                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|     |                                                                                                                                                                                                                                                                                                        |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 74  | About 15 militants reportedly dressed in Local Para military uniforms stormed a high altitude base camp for Nanga Parbat in Gilgat-Baltistan killed 10 climbers on:<br>(A) 23 <sup>rd</sup> June, 2013 (B) 24 <sup>th</sup> June, 2013 (C) 25 <sup>th</sup> June, 2013 (D) 26 <sup>th</sup> June, 2013 |
| 75  | When Pakistan signed Baghdad Pact, latter called CENTO?<br>(A) 23 <sup>rd</sup> September 1955 (B) 14 <sup>th</sup> August 1955 (C) 19 <sup>th</sup> June 1955 (D) 27 <sup>th</sup> July 1955                                                                                                          |
| 76  | Who was the founder of Democratic Party of USA?<br>(A) Rutherford (B) Thomas Jefferson (C) A. Lincoln (D) John Adams.                                                                                                                                                                                  |
| 77  | Water is a universal solvent for what reaction? (A) Physical (B) Chemical (C) Nuclear (D) Bio-chemical                                                                                                                                                                                                 |
| 78  | Darfur conflict is in: (A) Egypt (B) Tunisia (C) Sudan (D) None of these                                                                                                                                                                                                                               |
| 79  | In June 2013 the circular debt in Pakistan was:<br>(A) Rs. 406 billion (B) Rs.206 billion (C) Rs. 506 billion (D) Rs. 606 billion                                                                                                                                                                      |
| 80  | What is the study of heredity called: (A) Genealogy (B) Genetics (C) Gynecology (D) None of these                                                                                                                                                                                                      |
| 81  | At what angle above the horizon must the sun be to create a rainbow:<br>(A) 90 degrees (B) 60 degrees (C) 40 degrees (D) 65 degrees                                                                                                                                                                    |
| 82  | Attock fort was constructed by: (A) Akbar (B) Shahjehan (C) Jehangir (D) Humayun                                                                                                                                                                                                                       |
| 83  | Shuddhi and Sangthan movements were started at the end of:<br>(A) 1919 Reforms (B) Tahreek-i-Khilafat (C) Annulment of Partition of Bengal (D) None of these                                                                                                                                           |
| 84  | "38 <sup>th</sup> Parallel" is the boundary line between: (A) Pakistan & India at Rann of Kutch<br>(B) India & China in Akeal Chin (C) North & South Korea (D) Germany & Poland                                                                                                                        |
| 85  | British Prime Minister David Cameron visited Pakistan for Afgan peace process and bilateral relation in:<br>(A) July, 2013 (B) August, 2013 (C) June, 2013 (D) October, 2013                                                                                                                           |
| 86  | Atmosphere of the earth is made up of different spheres. In which part of the atmosphere commercial aircraft usually fly: (A) Thermosphere (B) Stratosphere (C) Troposphere (D) Mesosphere                                                                                                             |
| 87  | Which of the following control the reflex action in the body:<br>(A) Central nervous system (B) Motor nerves (C) Sensory nerves (D) Sympathetic nervous system                                                                                                                                         |
| 88  | The instrument used in a submarine to see the object on the surface of water is:<br>(A) Periscope (B) Telescope (C) Kaleidoscope (D) Microscope                                                                                                                                                        |
| 89  | Three primary colours used in the colour TV are:<br>(A) Green-yellow-blue (B) Yellow-blue-red (C) Red-green-yellow (D) Green-blue-red                                                                                                                                                                  |
| 90  | The Iran-Pakistan gas pipeline is also called:<br>(A) Friendship Pipeline (B) Future Pipeline (C) Peace Pipeline (D) Unity Pipeline                                                                                                                                                                    |
| 91  | Natural Gas was discovered in Sui, Balochistan in: (A) 1948 (B) 1950 (C) 1952 (D) 1954                                                                                                                                                                                                                 |
| 92  | The British Commander-in-Chief who came to India in March 1943 offered a scheme for the settlement of future Political Problems of India is known as:<br>(A) Lord Irwin (B) Lord Wavell (C) Lord Kirzin (D) None of these                                                                              |
| 93  | The "Aid to Pakistan Consortium" meets every year in: (A) London (B) New York (C) Paris (D) Islamabad                                                                                                                                                                                                  |
| 94  | Suez Canal is between: (A) Arabian Sea and Red Sea (B) Red Sea and North Sea<br>(C) Mediterranean Sea and North Sea (D) Mediterranean Sea and Red Sea                                                                                                                                                  |
| 95  | Which from the following Countries is NOT a member of European Union?<br>(A) Norway (B) Ireland (C) Malta (E) Estonia                                                                                                                                                                                  |
| 96  | The deepest part of the Earth is: (A) Dead Sea (B) Mariana Trench (C) South Africa (D) South Pole                                                                                                                                                                                                      |
| 97  | Pakistan has recently been given observer status in:<br>(A) Organization of Economic Co-operation and Development (OECD) (B) Gulf Co-operation Council (GCC) (C) Shanghai Co-operation Organization (SCO) (D) None of these.                                                                           |
| 98  | Idea of Indian National Congress was put forward by: (A) Alan Octavian Hume (B) Lord Minto (C) Lord Morley (D) None of these                                                                                                                                                                           |
| 99  | The first Nobel Prize was awarded in: (A) 1895 (B) 1901 (C) 1907 (D) 1913                                                                                                                                                                                                                              |
| 100 | The first Secretary General of United Nations was:<br>(A) Dag Hammarskjold (B) Kurt Waldheim (C) U Thant (D) Trygve Lie                                                                                                                                                                                |



## PAPER TYPE: C

### SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

#### PRE-INTERVIEW WRITTEN TEST FOR THE POST OF DENTAL SURGEON (BPS-17) IN HEALTH DEPARTMENT, GOVERNMENT OF SINDH

Monday the 28<sup>th</sup> April, 2014

Time: 02:00 pm to 03:00 pm

QUESTION PAPER

Maximum marks: 100

#### General Instructions to the candidates:

- 01 Candidates are to attempt all questions.
- 02 Write your Roll No., Name, Father's Name & Centre on the Answer Sheet within the space provided.
- 03 Do not write these data anywhere else on the Answer sheet. Doing so will render the candidate disqualified.
- 04 Follow instructions on the Answer Sheet to mark your responses correctly. Answer carefully by filling one of the appropriate blank cells provided in the Answer Sheet with black or blue ball pen only.
- 05 Each incorrect answer will result in deduction of half (1/2) mark.
- 06 Sign your answer sheet in space provided
- 07 Return your Question paper & Answer Sheet after attempting the Question paper.

**MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. QUESTION PAPER IS PART OF ANSWER SHEET FOR ASSESSMENT PURPOSE. NO CANDIDATE IS ALLOWED TO CARRY QUESTION PAPER/ANSWER SHEET OUT OF THE EXAMINATION HALL.**

|    |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | If center of rotation of dental forceps during extraction is not far enough apically, it would result in fracture of<br>(A) Root apex (B) Crown portion (C) Middle third of tooth (D) More than 2/3 <sup>rd</sup> root apex (E) More than 1/3 root apex                                                                                                                                                                    |
| 02 | A patient with a suspected malignant ulcer involving the oral mucosa. The most probable premalignant lesion that gives rise to such malignancy is: (A) Leukoplakia (B) Erythroplakia (C) Pipe smoker's keratosis (D) Lichen planus (E) Chronic candidosis                                                                                                                                                                  |
| 03 | The most important factor in long term success of reimplanted avulsed tooth is<br>(A) Extra oral dry time (B) Splinting time (C) Size of apical foramen (D) Age of patient (E) Medium in which tooth stored                                                                                                                                                                                                                |
| 04 | Figure eight suture is placed over the socket when size of oroantral fistula<br>(A) Less than 2 mm (B) 2-6 mm (C) 6-10 mm (D) 10-15 mm (E) 15-17 mm                                                                                                                                                                                                                                                                        |
| 05 | Cystic lesion which is always associated with the apices of non vital tooth is<br>(A) Keratocyst (B) Lateral periodontal cyst (C) Paradental cyst (D) Radicular cysts (E) Residual cyst                                                                                                                                                                                                                                    |
| 06 | If a rare disorder with an early onset in life is inherited in such a way that male and female offspring are equally affected but only homozygous persons are affected, then the mode of inheritance would be:<br>(A) Autosomal dominant (B) Autosomal recessive (C) X-linked dominant (D) X-linked recessive (E) Mitochondrial inheritance                                                                                |
| 07 | Substance acceptable for disinfecting dental instruments for surgery include<br>(A) Alcohol (B) Chlorine compounds (C) Gluteraldehyde (D) Quaternary ammonium (E) Ethanol                                                                                                                                                                                                                                                  |
| 08 | A patients comes with gingival enlargement confined to interdental papilla, this degree of gingival enlargement will be scored as<br>(A) Grade 0 (B) Grade I (C) Grade II (D) Grade III (E) Grade IV                                                                                                                                                                                                                       |
| 09 | Aphthous ulceration of oral mucosa is characterized by<br>(A) Prodromal burning (B) Localized area of erythema (C) Involvement of buccal and labial mucosa (D) History of recurrent ulceration (E) History of painless, easily bleeding ulcers                                                                                                                                                                             |
| 10 | The air abrasion technology is getting more use in cavity preparation due to its minimal removal of tooth tissue. Which types of powder particles are used in this technology from following?<br>(A) Silicon oxide (B) Zirconium oxide (C) Magnesium oxide (D) Aluminum oxide (E) Silver oxide                                                                                                                             |
| 11 | The normal range of movement of an adult mandible is<br>(A) 30 mm (B) 35 mm (C) 40 mm (D) 45 mm (E) 50 mm                                                                                                                                                                                                                                                                                                                  |
| 12 | The investment materials are used to make a mould prior to fabrication of a metallic restoration. The main requirement of an investment material is to expand in order to:<br>(A) Make a larger restoration than usual (B) Make a smaller restoration than usual (C) Make a smooth restoration (D) Compensate shrinkage of an alloy on cooling (E) Make a strong restoration                                               |
| 13 | The feature most likely to be true regarding Hepatitis B is:<br>(A) Incubation period is between 3 to 5 weeks (B) Transmission is by droplet infection (C) HBs antigen is the serological marker of active viral replication (D) 10 to 15% present with acute hepatitis (E) Carrier rate in adults is 90%                                                                                                                  |
| 14 | A 50 year old complete denture wearer, complaints of loose ill-fitting dentures with difficulty in mastication. Denture examination reveals attrition of teeth & overextended borders along with reduced OVD. The best treatment option for this case is<br>(A) Relining (B) Relining with rebasing (C) Copy / duplicate denture (D) Replacement dentures (E) Trim over-extended borders & reline with tissue conditioners |
| 15 | Classical pattern of extraction in Class II camouflage is:<br>(A) Extraction of upper 1 <sup>st</sup> premolars and lower canines (B) Extraction of upper 1 <sup>st</sup> premolars and lower 2 <sup>nd</sup> premolars (C) Extraction of all 2 <sup>nd</sup> premolars (D) Extraction of upper 2 <sup>nd</sup> premolars and lower 1 <sup>st</sup> premolars (E) Extraction of all 1 <sup>st</sup> molars.                |
| 16 | The most commonly used surgical procedure to setback a prognathic mandible is<br>(A) Vertical subsigmoid osteotomy (B) Bilateral sagittal split osteotomy (C) Body osteotomy (D) Inverted L osteotomy (E) C shape osteotomy                                                                                                                                                                                                |
| 17 | A patient has to undergo surgical procedure for parotid carcinoma. Which of the following nerve is most likely to be injured during this procedure?<br>(A) Trigeminal (B) Facial (C) Vestibulocochlear (D) Abducent (E) Glossopharyngeal                                                                                                                                                                                   |
| 18 | Most difficult to remove impacted mandibular third molar when it is<br>(A) Mesioangular (B) Distoangular (C) Vertical (D) Horizontal (E) Both vertical & mesioangular                                                                                                                                                                                                                                                      |
| 19 | Clinical step during which excess mercury is removed<br>(A) Trituration (B) Condensation and carving (C) Burmishing (D) Polishing (E) Removing the matrix                                                                                                                                                                                                                                                                  |
| 20 | A pathological condition has eroded the buccocortical plate, incision for the flap must be placed at least<br>(A) 2-3 mm away from sound bone (B) 5-6 mm away from it (C) 6-8 mm away from it (D) 6-10 away from it (E) 8-10 mm away from it                                                                                                                                                                               |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21 | During surgery for malignant parotid tumour the main trunk of the facial nerve is lacerated, resulting in paralysis of which of the following muscles? (A) Masseter (B) Stylopharyngeus (C) Anterior belly of digastrics (D) Buccinator (E) Tensor tympani                                                                                                                                                                                                |
| 22 | To maintain the existing diastema in planned fixed prosthesis, the type of connector used is (A) Rigid connector (B) Tenon Mortise connector (C) Loop connector (D) Split pontic connector (E) Cross-pin and wing connector                                                                                                                                                                                                                               |
| 23 | The best approach for diagnosis of odontogenic pain is which of the following? (A) Radiographic examination (B) Percussion (C) Visual examination (D) A step by step, sequenced examination and testing approach (E) Detailed history & clinical examination                                                                                                                                                                                              |
| 24 | Different ingredients have different effects on the properties of materials. Borax is added in the Agar impression material in order to: (A) Give body to the agar gel (B) Increase its setting reaction (C) Improve its taste (D) Improve its bonding with tray (E) Make a clear gel                                                                                                                                                                     |
| 25 | Amount of tissue between the suture and the edge of the flap (A) 5 mm (B) 4 mm (C) 3 mm (D) 2 mm (E) 6 mm                                                                                                                                                                                                                                                                                                                                                 |
| 26 | Which is more potent anti-bacterial agent regarding chemical control of dental plaque? (A) Chlorhexidine (B) Cetylpyridinium (C) Triclosan (D) Phenolic compound (E) Hydrogen peroxide                                                                                                                                                                                                                                                                    |
| 27 | A patient has reported to you with the complain of repeated dislocation of his temporomandibular joint. Restriction of which of the following ligament is causing this problem: (A) Temporomandibular (B) Stylomandibular (C) Styloglossus (D) Stylo mastoid (E) Sphenomandibular                                                                                                                                                                         |
| 28 | During an illness for a child tooth classification is disturbed. This will most likely affect teeth that are in which of the following stages of development? (A) Bud (B) Cap (C) Early bell (D) Late Bell (E) Morphogenic stage                                                                                                                                                                                                                          |
| 29 | A 55 years old male suspected malignancy on right buccal mucosa since 6 months. After incisional biopsy specimen immersed in 10% formalin. What should be the volume of formalin required (A) 15 times (B) 10 times (C) 20 times (D) 30 times (E) 50 times                                                                                                                                                                                                |
| 30 | Pure pulpal pain cannot be localized by the patient to offending tooth because of the (A) Crossover of nerves in the central nervous system (B) Lack of inflammation in periodontal ligaments (C) Lack of proprioceptors in the pulp (D) Presence of proprioceptors in periodontal ligaments (E) C fibers                                                                                                                                                 |
| 31 | Instrument fracture has occurred in the middle 1/3 of the root. The most appropriate treatment option will be? (A) Retrieve it or Bypass it (B) Hemisection (C) Root resection (D) Intentional re-implantation (E) Root amputation                                                                                                                                                                                                                        |
| 32 | The primary purpose of biopsy is to (A) Remove the pathological lesion (B) Prevent the lesion to extent (C) Definitive diagnosis (D) Plan the treatment planning (E) Decrease the size of lesion                                                                                                                                                                                                                                                          |
| 33 | An 08 years old boy admitted in ER with bleeding after tooth extraction. He is diagnosed as having hemophilia. The most suitable blood product to be transfused will be: (A) Cryoprecipitate (B) Fresh frozen plasma (C) Plasma (D) Packed cell (E) Whole blood                                                                                                                                                                                           |
| 34 | Which of the following option gives best information about working length of root canals? (A) Patient response (B) Paper point determination (C) Radiograph and apex locator (D) Radiograph (E) Tactile sensation                                                                                                                                                                                                                                         |
| 35 | Pulp capping is a frequently used clinical procedure in the operative dentistry. The material which is able to initiate calcification and form a secondary dentine layer at the base of cavity is: (A) Zinc phosphate cement (B) Copper cement (C) Calcium hydroxide cement (D) Cermet (E) Ethoxy benzoic acid                                                                                                                                            |
| 36 | A pre-operative periapical radiograph of mandibular 2 <sup>nd</sup> premolar shows a wide broad single canal which abruptly obliterated at middle 3 <sup>rd</sup> of the root. This indicates that: (A) Calcification in the lower part of the canal (B) The single canal divides into two separate canal (C) Pulp stones formation in lower part of root canal (D) There is severe root curvature (E) The single root may divide into two separate roots |
| 37 | A female patient age of 20 years has a deep carious lesion reaches the pulp. The pulp responds by vasodilation. There is migration of white blood cells into the pulp. The response is most likely to be initiated by cells in which of the following zone of the pulp? (A) Cell free zone (B) Cell rich zone (C) Plexus of rahsow (D) Odontoblast layer (E) Pulp core                                                                                    |
| 38 | The dentine adhesives are used now days for almost every type of direct or indirect restorations. Currently these dentine adhesives are classified on the basis of: (A) Their chemistry (B) Their year of development (C) Their effect on smear layer (D) Their ability to make hybrid layer (E) Their ability to bond either wet or dry dentine.                                                                                                         |
| 39 | An 18 year old male presents with abscess on lower 1 <sup>st</sup> molar tooth at buccal sulcus. Which surgical blade is used for drainage of abscess? (A) Blade # 11 (B) Blade # 12 (C) Blade # 15 (D) Blade # 18 (E) Blade # 20                                                                                                                                                                                                                         |
| 40 | The clinical advantage of porcelain laminate veneers over composite resin veneers is: (A) Colour stability and resistance to abrasion (B) Availability of self-curing or light-activated luting (C) Minimal over contouring of the treated teeth (D) May be used in edge to edge occlusion or class III relationships (E) Adapts well to primary teeth.                                                                                                   |
| 41 | Antagonist of Benzodiazepine is: (A) Flumazenil (B) Naloxone (C) Furazolidone (D) Naltrexone (E) Oxycodone                                                                                                                                                                                                                                                                                                                                                |
| 42 | A patient starts to gag while taking impression of maxillary dentition. The prosthodontist management of this patient is to: (A) use slow setting impression material (B) Lean back the head rest while taking impression (C) Control consistency and amount of impression material (D) Use anesthetic spray over palate (E) Seat the anterior portion of the tray first                                                                                  |
| 43 | Routes of administration of sedative drugs used in clinical paediatric dentistry are all Except (A) Inhalation (B) Intravenous (C) Transmucosal (D) Sublingual (E) Intramuscular                                                                                                                                                                                                                                                                          |
| 44 | An orthodontic patient reported at clinic with early loss of deciduous molars. How will you treat this patient to maintain the space? (A) Robert's retractor (B) Canine retractor (C) Lingual Bar (D) Labial bow (E) Screws.                                                                                                                                                                                                                              |
| 45 | Cald well luc procedure is used to access in to maxillary sinus, through the (A) Malar Eminence (B) Canine Fossa (C) Tuberosity (D) Zygomatic Ridge (E) Though incisors                                                                                                                                                                                                                                                                                   |
| 46 | After removal of his left lower wisdom tooth, patient developed complains of loss of taste and a numb sensation in the left half of his tongue. Which of the following nerves is most likely to have been injured during removal of this tooth? (A) Facial nerve (B) Glossopharyngeal nerve (C) Inferior alveolar nerve (D) Lingual nerve (E) Mandibular nerve                                                                                            |
| 47 | Few months after a dental extraction, a patient develops large penetrating vegetation on his mitral & aortic valves with severe headaches. Acute bacterial endocarditis is diagnosed. Which of the following organisms most likely cause the patient disorder? (A) Streptococci of viridans type (B) Staphylococci aureus (C) Actinomyces (D) Streptococcus sanguis (E) Lactobacillus                                                                     |
| 48 | The ideal time for removal of mandibular wisdom tooth is (A) 1/3 tooth formed (B) 1/3 root formed (C) 1/3 crown formation (D) 2/3 root formation (E) 2/3 crown formation                                                                                                                                                                                                                                                                                  |
| 49 | A patient wearing a new bilateral removable partial denture complains of soreness in tissue bearing area after 24 hours of insertion. The most likely cause would be (A) Occlusal discrepancies (B) Over extended denture (C) Under extended denture (D) Allergy                                                                                                                                                                                          |
| 50 | Ideal time for a cleft lip repair is (A) Intrauterine (B) At birth (C) 3 months of age (D) 18 months of age (E) 10 days after birth                                                                                                                                                                                                                                                                                                                       |

**PAPER TYPE : D**

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD**  
**PRE INTERVIEW WRITTEN TEST FOR THE POST OF TECHNICAL INSPECTOR (BPS-17) IN**  
**LABOUR DEPARTMENT, GOVERNMENT OF SINDH**

**(Electrical Engineering)**

Saturday the 21<sup>st</sup> December 2013

Time 02:00 P.M to 03:00 P.M

Maximum Marks: 100

**QUESTIONS PAPER**

**General Instructions to the Candidates:**

- 1) Candidates are to attempt all questions.
- 2) Write your Roll No, Name, Father Name & Centre on the Answers Sheet Within the space provided.
- 3) Do not write these data any where else on the Answer sheet. Doing so will render the candidates disqualified.
- 4) Follow instructions on the Answers sheet to marks your response correctly. Answers carefully by filling one of the appropriate blank cells provided in the Answers Sheet with black Blue ball pen only.
- 5) Each incorrect answer will result in deduction of half (1/2) marks.
- 6) Sign your answers sheet in space provided.
- 7) Return your Question paper & Answers Sheet after attempting the Question paper.

**MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. QUESTION PAPER IS PART OF ANSWER SHEET FOR ASSESSMENT PURPOSE. NO CANDIDATES IS ALLOWED TO CARRY QUESTION PAPER/ ANSWER SHEET OUT OF THE EXAMINATION HALL.**

|    |                                                                                                                                                                                                                                                                                                  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | A ceiling fan uses<br>(a) split-phase motor (b) Capacitor start and capacitor run motor (c) Universal motor (d) capacitor start motor                                                                                                                                                            |
| 02 | Which of the following motor is most suitable for timing and signaling devices?<br>(a) Dc series motor (b) Reluctance motor (c) Dc compound motor (d) Servo motor                                                                                                                                |
| 03 | The short circuit test on a transformer gives the information about its<br>(a) winding circuit impedance (b) core losses of the transformer (c) copper losses of the transformer (d) both (b) and (c)                                                                                            |
| 04 | Prime movers for water turbines are<br>(a) Reaction turbines for low and medium heads (b) impulse turbines for medium and high head<br>(c) reaction turbines for medium and high heads (d) Both (a) and (b)                                                                                      |
| 05 | A galvanometer may be converted into ammeter or voltmeter. In which of the following cases the resistance of the device will be largest?<br>(a) An Ammeter of range 10 A (b) A voltmeter of range 5 V (c) An ammeter of range 5 A (d) A voltmeter of range 10 V                                  |
| 06 | _____ will work only on D.C. supply<br>(a) Electric lamp (b) Refrigerator (c) Heater (d) Electroplating                                                                                                                                                                                          |
| 07 | The octal system has the radix of<br>(a) 6 (b) 2 (c) 8 (d) 10                                                                                                                                                                                                                                    |
| 08 | For which of the following flip-flop the output is clearly defined for all combinations of two inputs?<br>(a) D- flip-flop (b) R-S flip-flop (c) JK flip-flop (d) None of the above                                                                                                              |
| 09 | Which type of wattmeter cannot be used for dc?<br>(a) Electrostatic Type (b) Dynamometer type (c) Induction type (d) None of the above                                                                                                                                                           |
| 10 | A 230 V, 50 hz single-phase energy meter has a load current of 10 A at power factor of 0.8 lagging. The energy consumed by the load in 2 minutes is<br>(a) 0.06 kWh (b) 1.2 kWh (c) 2.4 kWh (d) 0.02 kWh                                                                                         |
| 11 | To measure speed of the shaft without physical contact the method used is<br>(a) Digital method (b) Variable reluctance tachometer (c) Stroboscope (d) None of these                                                                                                                             |
| 12 | A NAND gate is equivalent to<br>(a) An AND gate followed by an OR gate (b) An AND gate followed by an inverter<br>(c) An inverter followed by an OR gate (d) An inverter followed by an AND gate                                                                                                 |
| 13 | The power factor of an alternator depends on<br>(a) Load (b) Speed of rotor (c) Core Losses (d) Armature Losses                                                                                                                                                                                  |
| 14 | Three resistors, each of 3 ohms are joined in parallel. Its total resistance will be<br>(a) 9 (b) 1/9 (c) 27 (d) 1                                                                                                                                                                               |
| 15 | A standard 40 W tube light is in parallel with a room heater and both are connected to main supply line. What will happen when light is switched off?<br>(a) The heater output will increase (b) The heater output will decrease<br>(c) The heater output will remain same (d) None of the above |
| 16 | Magnetic flux density is a<br>(a) Vector Quantity (b) Scalar Quantity (c) Phasor (d) None of the above                                                                                                                                                                                           |
| 17 | Which of the following IC has only one input line?<br>(a) Multiplexer (b) Demultiplexer (c) AND gate (d) BCD to decimal decoder                                                                                                                                                                  |
| 18 | A TRIAC<br>(a) Can trigger only on positive gate voltages (b) can trigger only on negative gate voltages<br>(c) Cannot be triggered with gate voltages (d) Can be triggered by either a positive or a negative gate voltage                                                                      |

|    |                                                                                                                                                                                                                                                                   |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 19 | The purpose of providing a choke in a tube light is<br>(a) to eliminate corona effect (b) to avoid radio interference (c) to improve power factor (d) vary limit current to appropriate                                                                           |
| 20 | Diversity factor is the ratio of<br>(a) maximum load on the station to sum of consumer's maximum demands (b) Average demand to maximum demand<br>(c) reciprocal of (b) (d) reciprocal of (a)                                                                      |
| 21 | The sag of transmission line is affected by<br>(a) its own weight and weight of the ice (b) temperature and wind conditions (c) both of these (d) either of (a) or (b)                                                                                            |
| 22 | Transient stability limit is<br>(a) Equal to steady state stability limit (b) less than steady state stability limit<br>(c) more than steady state stability limit (d) undefined and based on power angle                                                         |
| 23 | An isolator operates under<br>(a) fault conditions (b) fault load conditions (c) no load conditions (d) both (a) and (b)                                                                                                                                          |
| 24 | The frequency domain and the time domain are related through<br>(a) laplace transform (b) Fourier integral (c) Both A and B (d) None of the above                                                                                                                 |
| 25 | The operation of induction motor is based on<br>(a) Lenz's law (b) Ampere's law (c) Mutual law (d) self induction                                                                                                                                                 |
| 26 | Two identical heater coils are connected in parallel across the mains. If one of the coil breaks the other coil<br>(a) Develops lower temperature (b) Develops same temperature<br>(c) Develops higher temperature (d) Brightness does not depend upon resistance |
| 27 | Another name of relative permittivity is<br>(a) Dielectric strength (b) Break down voltage (c) Specific inductive conductivity (d) Potential gradient                                                                                                             |
| 28 | Uninterruptible power supply (UPS) is used in<br>(a) Communication Links (b) Computers (c) Essential Instrumentation (d) all of these                                                                                                                             |
| 29 | The number of thyristors needed in three-phase to three-phase cycloconverter of 6-pulse type is<br>(a) 4 (b) 8 (c) 18 (d) 36                                                                                                                                      |
| 30 | Static capacitors are rated in terms of<br>(a) KVA (b) KVAR (c) KWh (d) KW                                                                                                                                                                                        |
| 31 | Which of the following gas has been used as insulating medium in electrical appliances?<br>(a) Nitrogen (b) Carbon dioxide (c) Sulphur hexafluoride (d) Freon                                                                                                     |
| 32 | Hexadecimal equivalent of decimal number 1000 is<br>(a) 3E8 (b) 4E8 (c) 3C6 (d) 3E7                                                                                                                                                                               |
| 33 | A NAND gate is equivalent to<br>(a) An AND gate followed by an OR gate (b) An AND gate followed by an inverter<br>(c) An inverter followed by an OR gate (d) An inverter followed by an AND gate                                                                  |
| 34 | A length of wire has a resistance of 6 ohms. The resistance of a wire of the same material three times as long and twice the cross-sectional area will be<br>(a) 36 ohms (b) 9 ohms (c) 1 ohm (d) 12 ohms                                                         |
| 35 | The specific resistance of a metallic conductor _____ with rise in temperature.<br>(a) Increases (b) Decreases (c) remains unchanged (d) None of the above                                                                                                        |
| 36 | The insulation resistance of a cable is specified by the manufacturer at 250 mega-ohms per kilometer. The resistance of 200 meter length will be<br>(a) 1250 mega-ohms (b) 250 mega-ohms (c) 125 mega-ohms (d) 50 mega-ohms                                       |
| 37 | When the diameter of the core and cable is doubled, the value of a capacitance will be<br>(a) Reduced to one fourth (b) Reduced to half (c) Doubled (d) Four times                                                                                                |
| 38 | Two bulbs are rated at 25 W, and 100W, 100V are connected in series to a 220 V supply. What will happen to circuit?<br>(a) 100 W bulb will burn out (b) 25 W bulb will burn out (c) both bulbs will burn out (d) no bulb will burn out                            |
| 39 | Which is the oldest forest of Pakistan<br>(a) Changa Manga (b) Junpur (c) Chitral (d) Chichawatni                                                                                                                                                                 |
| 40 | Which city of Pakistan is called "Gate way " of Pakistan<br>(a) Lahore (b) Karachi (c) Khyber (d) A.J Kashmir                                                                                                                                                     |
| 41 | What is the Nick name of swat?<br>(a) Gate way of invaders (b) Pearl of Himalya (c) Switzerland (d) Land of mountains                                                                                                                                             |
| 42 | Which city of Pakistan called "Manchester" of Pakistan<br>(a) Sialkot (b) Multan (c) Faisalabad (d) Lahore                                                                                                                                                        |
| 43 | Which valley is called "pearl of Himalya"?<br>(a) Naran (b) Kaghan (c) Chitral (d) Swat                                                                                                                                                                           |
| 44 | When all India Muslim League was formed.<br>(a) 1906 (b) 1907 (c) 1905 (d) 1908                                                                                                                                                                                   |
| 45 | 1 Metre consists of<br>(a) 100 Centimetres (b) 1000 Millimetre (c) 10 Decimetres (d) All of these                                                                                                                                                                 |
| 46 | 1 Tonne consists of<br>(a) 500 Kiligram (b) 1000 Kiligram (c) 2000 Kiligram (d) 3000 Kiligram                                                                                                                                                                     |
| 47 | 1 Foot consists of 12 inches. How many feet are there in one yard?<br>(a) 6 (b) 4 (c) 5 (d) 3                                                                                                                                                                     |
| 48 | Indonesia's old name is<br>(a) Suriname (b) Dutch East indies (c) Indo china (d) Acch                                                                                                                                                                             |
| 49 | What is the new name of Ceylon?<br>(a) Nepal (b) Srilanka (c) Burma (d) Bhuttan                                                                                                                                                                                   |
| 50 | Iraq is the new name of<br>(a) Euphrates (b) Mesopotamia (c) Hispania (d) Dajla                                                                                                                                                                                   |

**PAPER TYPE: A**  
**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD**  
**PRE INTERVIEW WRITTEN TEST FOR THE POST OF ASSISTANT DIRECTOR (BPS-17) ENVIRONMENT &**  
**ALTERNATIVE ENERGY DEPARTMENT, GOVERNMENT OF SINDH**

Saturday the 21<sup>st</sup> December 2013  
 Time 10:00 A.M to 11:00 A.M

Maximum Marks: 100

**QUESTIONS PAPER**

**General Instructions to the Candidates:**

- 1) Candidates are to attempt all questions.
- 2) Write your Roll No, Name, Father Name & Centre on the Answers Sheet Within the space provided.
- 3) Do not write these data any where else on the Answer sheet. Doing so will render the candidates disqualified.
- 4) Follow instructions on the Answers sheet to marks your response correctly. Answers carefully by filling one of the appropriate blank cells provided in the Answers Sheet with Black /Blue ball pen only.
- 5) Each incorrect answer will result in deduction of half (1/2) marks.
- 6) Sign your Answers Sheet in space provided.
- 7) Return your Questions paper & Answers Sheet after attempting the Questions paper.

**MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. QUESTIONS PAPER IS A PART OF ANSWERS SHEET FOR ASSESSMENT PURPOSE. NO CANDIDATE IS ALLOWED TO CARRY QUESTIONS PAPER/ ANSWER SHEET OUT OF THE EXAMINATION HALL.**

- |    |                                                                                                                                                                                                                                                                                                                                                                      |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | Which of the following is LEAST likely to be an effect of global warming?<br>(a) Loss of fertile delta regions for precipitation (b) Change in global patterns of precipitation<br>(c) Extinction of some species that have narrow temperature requirements (d) Decreased rate of photosynthesis in vegetation                                                       |
| 02 | Which of the following is the best example of environmental remediation?<br>(a) A species of trout becomes extinct in a eutrophic lake. (b) The annual volume of sewage flowing into a stream is decreased by one half. (c) The height of a factory smokestack is increased. (d) PCB-consuming bacteria are sprayed on an area that has soil contaminated with PCB's |
| 03 | The age of the earth can be estimated by:<br>(a) thickness of sedimentary rocks (b) Changes in radioactive Minerals<br>(c) The amount of salt present in sea water (d) The amount of erosion                                                                                                                                                                         |
| 04 | The greenhouse gas with high heat trapping capability is:<br>(a) carbon dioxide (b) Nitrous oxide (c) Sulphur hexafluoride (d) Methane                                                                                                                                                                                                                               |
| 05 | What does "system" imply in the terms "ecosystem"?<br>(a) Environment (b) Interdependent Complex (c) System approach (d) Ecological                                                                                                                                                                                                                                  |
| 06 | Turbidity is caused due to:<br>(a) Settle matter (b) Dissolved Impurities (c) Suspended matter (d) None of these                                                                                                                                                                                                                                                     |
| 07 | Global warming is due to:<br>(a) Ozone depletion (b) Acid rain (c) Greenhouse effect (d) All of the above                                                                                                                                                                                                                                                            |
| 08 | Overgrazing and poor cultivation can lead to:<br>(a) Deforestation (b) Desertification (c) Incineration (d) All of the above                                                                                                                                                                                                                                         |
| 09 | Ocean dumping is source of pollution for:<br>(a) Land and water environments (b) Land environments only (c) Air environments only (d) None of the above                                                                                                                                                                                                              |
| 10 | Microorganisms that cause disease are classified as:<br>(a) Pathogens (b) Organic materials (c) Inorganic (d) All of these above                                                                                                                                                                                                                                     |
| 11 | The first step in sewage treatment process is :<br>(a) Screening (b) Chlorination (c) Grit removal (d) None of the above                                                                                                                                                                                                                                             |
| 12 | A pollutant that can reduce the amount of oxygen carried by blood is:<br>(a) Carbon monoxide (b) Carbon Dioxide (c) Sulphur Oxide (d) None of the above                                                                                                                                                                                                              |
| 13 | Sound can cause physical pain if they are louder than:<br>(a) 70db (b) 50 db (c) 80 dB (d) 120 db                                                                                                                                                                                                                                                                    |
| 14 | There are four ways to handle garbage once it is generated, they are:<br>(a) compaction, recycling, land filling and degradation (b) Chopping, slicing, dicing, and Land filling<br>(c) Compacting, recycling, incineration and land filling (d) Composting, recycling, incineration and land filling                                                                |
| 15 | Which two items are recycled most frequently:<br>(a) Shoes and socks (b) Corrugated boxes and aluminum cans<br>(c) Newspapers and aluminum cans (d) Steel cans glass bottles                                                                                                                                                                                         |
| 16 | Most waste generated in the house can be recycled but there are certain items that cannot be recycled. In the list given below which item is not recyclable?<br>(a) News paper (b) Plastic bags (c) Old medicines (d) Glass bottles                                                                                                                                  |
| 17 | To manufacture of 85 million tons of papers, how many trees are cut down and processed.<br>(a) 1.4 billion trees (b) 3 billion trees (c) 5.2 billion trees (d) 6 billion trees                                                                                                                                                                                       |
| 18 | Close the loop on recycling is becoming a popular catchphrase in the world of waste management. What dose it refer to:<br>(a) Tying up your recycling securely (b) Buying recycled products<br>(c) Dropping of recycling at a certified recycling centre (d) Living an environmental lifestyle besides just recycling                                                |
| 19 | One kilowatt hour of electricity is equal to British thermal units of<br>(a) 13 (b) 413 (c) 3413 (d) None of the above                                                                                                                                                                                                                                               |
| 20 | A nuclear power plant (KANUPP), installed in Karachi. has the capacity of<br>(a) 50 MV (b) 100 MV (c) 133 MV (d) 165 MV                                                                                                                                                                                                                                              |

|    |                                                                                                                                                                                                                                                                                                                                                           |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21 | The amount of solar energy received per second per area of earth's surface at an average distance between the sun and the earth is known as:<br>(a) Solar absorber (b) Solar constant (c) Solar radiation (d) All of the above                                                                                                                            |
| 22 | What type of energy is possessed by wind:<br>(a) Potential energy (b) Mechanical energy (c) Kinetic energy (d) Gravitational energy                                                                                                                                                                                                                       |
| 23 | Which of the following is a greenhouse gas?<br>(a) Methane (b) Oxygen (c) Nitrogen (d) Hydrogen                                                                                                                                                                                                                                                           |
| 24 | The Kyoto protocol to the United Nations Framework Convention on Climate Change (UNFCCC) is an international treaty that sets binding obligations on industrialized countries to<br>(a) Reduce emission of greenhouse gases (b) Reduce the use of un-conventional energy sources<br>(c) Increase use of fossil fuels (d) Conserve biodiversity and plants |
| 25 | NEQS stands for<br>(a) National Environmental Quantitative standards (b) National Energy Quantitative Standards<br>(c) National Environmental Quality Standards (d) National Energy Quality Standards                                                                                                                                                     |
| 26 | The biophysical environment is the _____ and _____ surrounding of and organism or population<br>(a) Biotic and Abiotic (b) Physical and Chemical (c) Biological and Chemical (d) None of the above                                                                                                                                                        |
| 27 | Which of the following is a major pollutant causing acid rain?<br>(a) Carbon dioxide (b) Carbon monoxide (c) Hydrogen peroxide (d) Sulphur dioxide                                                                                                                                                                                                        |
| 28 | Air consists of _____ carbon dioxide<br>(a) 0.3 (b) 0.03 (c) 0.003 (d) 0.0003                                                                                                                                                                                                                                                                             |
| 29 | Heat produced by radioactive materials deep beneath the surface of the earth is called<br>(a) Solar energy (b) Earth Energy (c) Electric Energy (d) Geothermal Energy                                                                                                                                                                                     |
| 30 | A natural phenomenon that becomes harmful due to pollution is<br>(a) Deforestation (b) Ecological balance (c) Greenhouse (d) Desertification                                                                                                                                                                                                              |
| 31 | Non-biodegradable waste which may pollute the earth to dangerous levels of toxicity, if not handled properly is<br>(a) DDT (b) CFC (c) Radioactive substances (d) PAN                                                                                                                                                                                     |
| 32 | Complete the equation $CH_4 + 2O_2 \rightarrow CO_2 +$<br>(a) $H_2O$ (b) $4H_2O$ (c) $H_2O_2$ (d) $2H_2O$                                                                                                                                                                                                                                                 |
| 33 | Presence of bacteria in potable (drinking) water causes<br>(a) Turbidity (b) Bad odor (c) Disease (d) Bad Taste and Color                                                                                                                                                                                                                                 |
| 34 | A standard test for determination of hardness in water is termed as<br>(a) Electrometric (b) Total count (c) Presumptive (d) EDTA                                                                                                                                                                                                                         |
| 35 | Smog is not formed due to the presence of _____ in the atmosphere.<br>(a) $SO_2$ (b) $NO_x$ (c) $CO_2$ (d) All of the above                                                                                                                                                                                                                               |
| 36 | Which is not a chemical coagulant?<br>(a) Aluminum (b) Ferrous sulphate (c) Hydrated Lime (d) Chloramine                                                                                                                                                                                                                                                  |
| 37 | World environment day is observed every year on the 5 <sup>th</sup> of<br>(a) June (b) July (c) October (d) December                                                                                                                                                                                                                                      |
| 38 | Which of the following is a greenhouse gas?<br>(a) Methane (b) Oxygen (c) Nitrogen (d) Hydrogen                                                                                                                                                                                                                                                           |
| 39 | Pakistan television started its color transmission in:<br>(a) 20 December 1976 (b) 20 December 1972 (c) 20 December 1974                                                                                                                                                                                                                                  |
| 40 | Pipri (Sindh) is the old name of<br>(a) Ahmadabad (b) Dera pipri (c) Bin Qasim                                                                                                                                                                                                                                                                            |
| 41 | The largest Natural gas field is:<br>(a) Sui (b) Dohdak (c) Kohi Namak                                                                                                                                                                                                                                                                                    |
| 42 | Pakistan is bounded in North west by<br>(a) Karakorum Range (b) Hindu kash Range (c) Himalaya                                                                                                                                                                                                                                                             |
| 43 | Siachen glacier is a part of<br>(a) Gilgit (b) Baltistan (c) Hunza                                                                                                                                                                                                                                                                                        |
| 44 | The rivers Ravi, Satlaj, Indus, Jehlum, Chenab meet at<br>(a) Farid Kot (b) Mitran kot (c) Arabian sea                                                                                                                                                                                                                                                    |
| 45 | Tirich Mir is the largest peak of _____<br>(a) Karakorum (b) Hindu kash (c) Himalayas (d) Rawalpindi                                                                                                                                                                                                                                                      |
| 46 | Addison's disease is caused by the Excessive secretion of:<br>(a) Antidiuretic Hormone (b) Lutinising Hormone (c) Melanophore stimulating Hormone (d) Adrenocorticotrophic Hormone                                                                                                                                                                        |
| 47 | Development of calf muscles in ladies who wear high heels is a common example of:<br>(a) Natural selection (b) Inheritance of acquired character (c) Use and disuse of organ (d) Artificial selection                                                                                                                                                     |
| 48 | Margala Hill is the branch of:<br>(a) Karachorum range (b) Himalya Range (c) Hindukash Range (d) Nanga Parbat Range                                                                                                                                                                                                                                       |
| 49 | The Japan is called:<br>(a) Land of Earthquakes (b) Land rising Sun (c) Land of rivers (d) land of Volcano's                                                                                                                                                                                                                                              |
| 50 | The famous book Al-Qanoon was written by muslim scientist:<br>(a) Jabir ibn Hayan (b) Zakiriaya al Razi (c) Abu Ali Sina (d) Abdul Qasim Mujreti                                                                                                                                                                                                          |

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

**PRE-INTERVIEW WRITTEN TEST**  
**FOR SELECTION OF MUKHTIARKAR BPS-16**

**Wednesday the 24<sup>th</sup> February, 2010**

**Time: 10:00.a.m to 01:00.p.m.**

**Max: Marks:100**

=====

NOTE: **Attempt all questions. All questions carry equal marks. Answers to the questions should be precise, to the point and with clarity. Incorrect English, grammatical mistakes and wrong spellings will result in deduction of marks.**

=====

**Q.1. Write a short Essay of not more than 200 words on any one of the following. 20 marks**

- (a) Passing of NFC award with consensus of all Provinces, is a symbol of our Unity and Federation.
- (b) Use of mother-tongue is an effective tool in learning.
- (c) Archaeological sites are signs of Heritage.
- (d) Islamic teaching of Universal brotherhood is a death blow to terrorism.

**Q.2. Read the following passage carefully and make précis by giving it a suitable heading. 20 marks**

It has been documented that . almost twelve million years ago at the beginning of *Pliocene Age*, a horse, about midway through its evolutionary development, crossed a land-bridge where the Bering Straits are now located; from Alaska into the grasslands of Europe. The horse was the *hipparion*, about the size of a modern-day pony with three toes and specialized cheek teeth for grazing. In Europe, the *hipparion* encountered another less advanced horse called the *anchitheres*, which had previously invaded Europe by the same route, probably during the *Miocene Period*. Less developed and smaller than the *hipparion*, the *anchitheres* was completely replaced by it. By the end of the *Pleistocene Age* both the *anchitheres* and the *hipparion* had become extinct in North America, where they had originated . In Europe they had evolved into an animal very similar to the horse as we know it today. It was the descendant of this horse that was brought by the European colonists to the Americas.

**Q.3 (a) Translate the following passage in Sindhi/Urdu. 10 marks**

The spirit of democracy is that power belongs to the people . They select their representatives every fourth or fifth year. The majority party forms the government and selects the Prime Minister. The main flaw of this system is that only heads are counted. Their calibre is not considered . The vote of an illiterate person has the same strength as that of a scholar. It is a common experience that an influential person of an area drives the voters of his constituency at will and compels them to cast their votes in favour of a candidate of his choice. It is essential for the success of democracy that the masses should be educated and they should know the real value of their votes. As long as the masses remain illiterate democracy would remain a plaything in the hands of a few clever people.

**P.T.O**



Q.3 (b) Translate the following given Sindhi / Urdu passage in English.

**10 marks**

اسلامي معاشري جو نمايان پهلو الله تعالى جي وحدانيت تي پختو يقين آهي. اهوئي عقيدو انهن کي عيسائين ۽ هنڊن کان ڌار ڪري ٿو. عيسائي ٽن خدائن کي مڃن ٿا. جڏهن ته هنڊو بتن جي پوڄا ڪندڙ آهن. هنڊن جا سوين خدا بتن جي شڪل ۾ هر هنڌ موجود نظر اچن ٿا. پر مسلمان فقط الله جي ذات واحد تي عقيدو رکڻ ٿا. جيڪو ڪائنات هستي جو خلقيندڙ آهي. اهوئي معبود حقيقي آهي ۽ اهوئي حاڪم اعليٰ آهي. عقيدو توحيد جو منطقي پهلو پائينچاري جو جذبو آهي. سڀني انسان پاڻ ۾ پائڻ آهن ۽ هڪ ٻي جي ڏک سک ۾ برابر جا شريڪ آهن. سڀني قانون جي نظر ۾ برابر آهن. امير ۽ غريب جي وچ ۾ ڪو به فرق نه آهي. تقويٰ ۽ پرهيزگاري ئي برتري جي علامت آهي ۽ هر ڪنهن سان برابري جو سلوڪ ۽ انصاف ضروري آهي.

**OR**

اسلامي معاشرے کا نمایاں پہلو توحید پر یقین محکم ہے۔ یہی عقیدہ انہیں عیسائیوں اور ہندوؤں سے جدا کرتا ہے۔ عیسائی تین خدا ماننے ہیں۔ ہندو بت پرست ہیں۔ ہندوؤں کے سنگتوں خدا بتوں کی شکل میں ہر جگہ موجود نظر آتے ہیں۔ لیکن مسلمان صرف اللہ کی ذات واحد پر عقیدہ رکھتے ہیں، جو کائنات هستی کا خالق ہے۔ وہی معبود حقیقی ہے۔ اور وہی حاکم اعلیٰ ہے۔ عقیدہ توحید کا منطقی پہلو پنچ پراخوت ہے۔ سب ہی نوع انسان آپس میں بھائی بھائی ہیں۔ ایک دوسرے کے دکھ سکھ میں برابر کے شریک ہیں۔ قانون کی نظر میں سب برابر ہیں۔ امیر غریب کی کوئی تخصیص نہیں۔ تقویٰ اور پرهیزگاری ہی برتری کی علامت ہے۔ سب کے ساتھ برابر کا سلوک اور انصاف ضروری ہے۔

Q.4. (a) Do as directed.

**10 marks**

- He advised his sons not to quarrel amongst themselves, when he was dead but to remain united. (Change into Direct speech)
- The Olympic games were being opened by the flame torched from solar rays. (change the voice).
- He drove too fast for the police patrol to catch. (Remove too).
- Were we sent into the world simply to make money? (Change the Interrogative sentence into Assertive sentence).
- Not many men would be cruel and unjust to a cripple. (Change the Negative sentence into Affirmative).

(b) Give meaning of any five of the following Idioms and use them in your own sentence.

**10 marks**

- Fair and square
- Faint hearted
- Get to the bottom of
- Blow hot and cold
- a goody – goody
- jump the gun
- In the line of fire
- sitting on the fence.

Q.5. (a) Give meaning of any five words from the following.

**10 marks**

- Exasperation.
- Palate.
- Demagogue.
- Cheerful.
- Repugnant.
- Adduce.
- Reckon.
- Ingenuous.

(b) Give the correct spelling of following words.

**10 marks**

- Synchronize.
- Garission.
- Husbandary.
- Inovetion.
- Trinquality.
- Machanisation.
- Effarvecense.
- Preistely.
- Impatently.
- Narrchotiks.

\*\*\*\*\*THE END\*\*\*\*\*

**PAPER TYPE: D**

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

**PRE-INTERVIEW WRITTEN TEST FOR THE POST OF JUNIOR CLERK BPS-07**

**UNDER SINDH PUBLIC SERVICE COMMISSION, GOVERNMENT OF SINDH.**

Wednesday the 28<sup>th</sup> May, 2014

Time: 10 :00 am to 11 : 00 am

**QUESTION PAPER**

Maximum marks: 100

**General Instructions to the candidates:**

- 01 Candidate are to attempt all questions.
- 02 Write your Roll No, Name, Father's/Husband's Name & Centre on the Answer Sheet within the space provided.
- 03 Do not write these data anywhere else on the answer sheet. Doing so will render the candidate disqualified.
- 04 Follow instructions on the Answer sheet to marks your response correctly. Answers carefully by filling one of the appropriate blank cells provided in the Answers Sheet with Black and Blue ball pen only.
- 05 Each incorrect answer will result in deduction of half (1/2) mark.
- 06 Sign your answer sheet in space provided above.
- 07 Return your Question paper / Answer sheet after attempting the Question paper.

**MOST IMPORTANT: ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. QUESTION PAPER IS PART OF ANSWER SHEET FOR ASSESSMENT PURPOSE. NO CANDIDATE IS ALLOWED TO CARRY QUESTION PAPER / ANSWER SHEET OUT OF THE EXAMINATION HALL.**

**CHOOSE THE CORRECT OPTION TO FILL THE BLANK**

|    |                                                                                                                       |                                    |                                   |                                             |                         |
|----|-----------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------|---------------------------------------------|-------------------------|
| 01 | Water Vapours are formed due to:                                                                                      | (A) Precipitation                  | (B) Condensation                  | (C) Evaporation                             | (D) Metamorphism        |
| 02 | One barrel of Petrol is equal to litres:                                                                              | (A) 159                            | (B) 59                            | (C) 70                                      | (D) 100                 |
| 03 | First Preacher of Islam was :                                                                                         | (A) Hazrat Adam (A.S)              | (B) Hazrat Nooh (A.S)             | (C) Hazrat Ibraheem (A.S)                   | (D) Hazrat Moosa (A.S)  |
| 04 | The Congress started "Civil Disobedience Movement (1940) against:                                                     | (A) Muslim League                  | (B) Lord Linthgow                 | (C) August offer                            | (D) None of these.      |
| 05 | In the interim Government, Muslim League got portfolio of :                                                           | (A) Finance                        | (B) Foreign Affairs               | (C) Education                               | (D) Trade               |
| 06 | "Khilafat Movement" was about:                                                                                        | (A) To protect Muslims holy places | (B) To maintain Turkish Caliphate | (C) To maintain the unity of Ottoman Empire | (D) All of these.       |
| 07 | _____ was the youngest Prime Minister of Pakistan:                                                                    | (A) Benazir Bhutto                 | (B) Nawaz Sharif                  | (C) Hussain Shaheed                         | (D) Muhammad Ali Bogra  |
| 08 | Islamiyat and Pakistan studies was made as compulsory subjects by:                                                    | (A) Z.A. Bhutto                    | (B) Zia-ul Haque                  | (C) Muhammad Khan Junejo                    | (D) Yahya Khan          |
| 09 | Best version of Heer-Ranjha was written by :                                                                          | (A) Bulle Shah                     | (B) Waris Shah                    | (C) Shah Fareed                             | (D) Husain Fakir        |
| 10 | _____ established "Kalhora dynasty" in Sindh:                                                                         | (A) Yar Muhammad Kalhoro           | (B) Noor Muhammad Kalhoro         | (C) Khuda Bux Kalhoro                       | (D) Daood Khan Kalhoro. |
| 11 | Bismillah has occurred twice in _____ Surah.                                                                          | (A) Al-Fatiha                      | (B) Al-Namal                      | (C) Al-Tauba                                | (D) Al-Furqan           |
| 12 | In the 10 <sup>th</sup> years of Prophet hood, deaths of Hazrat Abu Talib(R.A) and Hazrat Khadijah (R.A) is known as: | (A) Year of Doom                   | (B) Year of grief                 | (C) Year of Social boycott                  | (D) Year of battle.     |
| 13 | Prophet hood has been finished on the Hazrat _____:                                                                   | (A) Essa (A.S)                     | (B) Moosa(A.S)                    | (C) Dawood (A.S)                            | (D) Muhammad (PBUH)     |
| 14 | "Akbar the Great", son of Hamayun was born at:                                                                        | (A) Thatta                         | (B) Umerkot                       | (C) Neeroon Kot                             | (D) Rani Kot            |
| 15 | _____ was the first Chief Minister of Sindh after partition:                                                          | (A) Pir Illahi Bux                 | (B) Muhammad Ayub Khan            | (C) Abdullah Haroon                         | (D) Qazi Faizullah.     |
| 16 | _____ period is called "Golden Age" of Sindhi literature:                                                             | (A) Soomras'                       | (B) Sama's'                       | (C) Kalhoras'                               | (D) Talpurs'            |
| 17 | Sukkur Barrage has _____ canals:                                                                                      | (A) Five                           | (B) Seven                         | (C) Four                                    | (D) Nine                |

**CHOOSE THE CORRECT MEANING FOR THE FOLLOWING WORDS**

|    |               |                 |                  |                |                 |
|----|---------------|-----------------|------------------|----------------|-----------------|
| 18 | DISCRIMINATE: | (A) Support     | (B) Death        | (C) Accident   | (D) Distinguish |
| 19 | ABSTRACT:     | (A) Theoretical | (B) Confused     | (C) Indefinite | (D) Unrealistic |
| 20 | ORTHODOX:     | (A) Religious   | (B) Informal     | (C) Accepted   | (D) Musical     |
| 21 | HYPOTHESIS:   | (A) Actual      | (B) Discernible  | (C) Salubrious | (D) Assumption  |
| 22 | AUTONOMY:     | (A) Aversion    | (B) Independence | (C) Thrall     | (D) A-parted    |

**CHOOSE THE CORRECT SPELLING**

|    |                                                           |
|----|-----------------------------------------------------------|
| 23 | (A) Frighten (B) Frighon (C) Frighteen (D) None of these  |
| 24 | (A) Ancestor (B) Ancestar (C) Ancester (D) None of these. |
| 25 | (A) Turpitudde (B) Turpitude (C) Turpetude (D) None these |

|                                                                                                                |                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 26                                                                                                             | (A) Saboteer (B) Saboteur (C) Sabotor (D) None of these                                                                                                                                                                                                                                                                             |
| <b>CHOOSE THE CLOSE MEANING OF THE FOLLOWING IDIOMS</b>                                                        |                                                                                                                                                                                                                                                                                                                                     |
| 27                                                                                                             | <b>Nip in the bud:</b><br>(A) To plant flowers (B) To destroy at an early stage (C) to work hard (D) None of these.                                                                                                                                                                                                                 |
| 28                                                                                                             | <b>Man of Straw:</b><br>(A) Powerful Man (B) Expert man (C) A person of no importance (D) A person who works with straw                                                                                                                                                                                                             |
| 29                                                                                                             | <b>Move heaven and earth:</b><br>(A) To travel far away (B) To use every possible means (C) to travel in the space<br>(D) To travel from the earth to the moon                                                                                                                                                                      |
| 30                                                                                                             | <b>Make the mouth water:</b><br>(A) Have pain in one's mouth (B) To jump into water (C) A longing for a thing (D) None of these                                                                                                                                                                                                     |
| 31                                                                                                             | <b>Off and on:</b><br>(A) To close (B) To switch on (C) Occasionally (D) None of these.                                                                                                                                                                                                                                             |
| <b>FILL IN THE BLANKS</b>                                                                                      |                                                                                                                                                                                                                                                                                                                                     |
| 32                                                                                                             | Health is preferable _____ wealth<br>(A) with (B) to (C) for (D) besides (E) by                                                                                                                                                                                                                                                     |
| 33                                                                                                             | I have not seen him _____ Wednesday last<br>(A) till (B) between (C) still (D) since (E) about                                                                                                                                                                                                                                      |
| 34                                                                                                             | I laughed _____ her joke<br>(A) for (B) by (C) at (D) on (E) upon                                                                                                                                                                                                                                                                   |
| 35                                                                                                             | Charity begins _____ home<br>(A) in (B) outside (C) inside (D) at (E) on                                                                                                                                                                                                                                                            |
| <b>CHANGE THE NARRATION</b>                                                                                    |                                                                                                                                                                                                                                                                                                                                     |
| 36                                                                                                             | He said, "The king is coming now."<br>(A) He said that, The king was come now. (B) He said that the king is came now<br>(C) He will say that the king is gone now (D) He said that the king was coming then.                                                                                                                        |
| 37                                                                                                             | The teacher said to the boy, "have you done your homework?"<br>(A) The teacher asked the boy that have you done your homework.<br>(B) The teacher asked the boy whether he had done his home work.<br>(C) The teacher enquired the boy that have you done your home work<br>(D) The teacher asked the boy did he done his home work |
| 38                                                                                                             | I said to him, "Will you come tomorrow?" (A) I asked him that will you come tomorrow? (B) I asked him if he would come the next day (C) I said him that would you come tomorrow (D) I enquired that will he come tomorrow.                                                                                                          |
| 39                                                                                                             | He said to her, "May you succeed."<br>(A) He said to her that she may succeed<br>(B) He prayed that she may succeed (C) He wished her success (D) He wished that you may succeed                                                                                                                                                    |
| 40                                                                                                             | Ismail said to me, "You can go". (A) Ismail said to me that you can go (B) Ismail asked me that I can go (C) Ismail told me that I could go (D) Ismail said to me the I can go                                                                                                                                                      |
| <b>CHANGE THE VOICE</b>                                                                                        |                                                                                                                                                                                                                                                                                                                                     |
| 41                                                                                                             | Do not let this lock be broken<br>(A) Do not break this lock (B) Do not let him break this lock (C) Let him not break this lock                                                                                                                                                                                                     |
| 42                                                                                                             | We are serving her these days (A) She has been serving us these days<br>(B) She is being serving by us these days (C) She has been served by us these days.                                                                                                                                                                         |
| 43                                                                                                             | They have been taught this poem by me<br>(A) I teach them this poem (B) I taught them this poem (C) I have taught them this poem                                                                                                                                                                                                    |
| 44                                                                                                             | The cow was being milked by her<br>(A) She milks the cow (B) She was milking the cow (C) She has milked the cow                                                                                                                                                                                                                     |
| 45                                                                                                             | She gave me this pen yesterday (A) This pen was give to me by her yesterday<br>(B) Yesterday was given this pen to her by me (C) This pen was given by her to me yesterday                                                                                                                                                          |
| <b>FROM THE FOUR UNDERLINE WORDS OR PHRASES, (A) (B) (C) (D) OR (E), IDENTIFY THE ONE THAT IS NOT CORRECT.</b> |                                                                                                                                                                                                                                                                                                                                     |
| 46                                                                                                             | No sooner <u>had he left</u> when his friend <u>came</u> . No Error<br>A B C D E                                                                                                                                                                                                                                                    |
| 47                                                                                                             | Our teacher <u>has told us</u> <u>that</u> this is <u>a best</u> book <u>on the</u> subject. No Error<br>A B C D E                                                                                                                                                                                                                  |
| 48                                                                                                             | His dress was <u>spotlessly</u> clean and well-made but it was a <u>kind</u> of a dress <u>which</u> the son of a poor man <u>might have worn</u> . No Error.<br>A B C D E                                                                                                                                                          |
| 49                                                                                                             | Mr. Shah Nawaz is one of those who <u>appears</u> to be <u>friendly</u> however it is difficult to <u>deal</u> with <u>him</u> . No Error<br>A B C D E                                                                                                                                                                              |
| 50                                                                                                             | <u>Not only has he insulted me</u> <u>but</u> has abused me. No Error.<br>A B C D E                                                                                                                                                                                                                                                 |



## PAPER TYPE:

### SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

### PRE-INTERVIEW WRITTEN TEST FOR THE POST OF LECTURER SOCIOLOGY (BPS-17) IN EDUCATION & LITERACY DEPARTMENT, GOVERNMENT OF SINDH

Wednesday the

2014

Time: 10:00 am to 11:00 am

Maximum marks: 100

#### QUESTION PAPER

#### General Instructions to the candidates:

- 01 Candidates are to attempt all questions.
- 02 Write your Roll No., Name, Father's Name & Centre on the Answer Sheet within the space provided.
- 03 Do not write these data anywhere else on the Answer sheet. Doing so will render the candidate disqualified.
- 04 Follow instructions on the Answer Sheet to mark your responses correctly. Answer carefully by filling one of the appropriate blank cells provided in the Answer Sheet with black or blue ball pen only.
- 05 Each incorrect answer will result in deduction of half (1/2) mark.
- 06 Sign your answer sheet in space provided
- 07 Return your Question paper & Answer Sheet after attempting the Question paper.

**MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. QUESTION PAPER IS PART OF ANSWER SHEET FOR ASSESSMENT PURPOSE. NO CANDIDATE IS ALLOWED TO CARRY QUESTION PAPER/ANSWER SHEET OUT OF THE EXAMINATION HALL.**

- |    |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | Cyclic theory of rise and fall of nations was introduced by (A) Ibn-e-Khuldoon (B) Imam Gazali (C) Allama Iqbal                                                                                                                                                                                                                                                                                                                |
| 02 | According to theory of voluntarism the rich produce less children because of:<br>(A) Low fertility (B) Capable of checking fertility (C) They wish to enjoy the benefits of prosperity                                                                                                                                                                                                                                         |
| 03 | Numerically, the largest human race in the world is: (A) Caucasoid (B) Mongoloid (C) Negroid (D) Austroloid                                                                                                                                                                                                                                                                                                                    |
| 04 | The term sociology was invented to designate the service of human association by<br>(A) August Comte (B) MacIver (C) Page                                                                                                                                                                                                                                                                                                      |
| 05 | Who was the first Islamic Philosopher to uphold philosophical truth over revelation?<br>(A) Ibn-e-Sina (B) Al-Farabi (C) Al-Razi (D) Al-Biruni                                                                                                                                                                                                                                                                                 |
| 06 | A table that shows the relationship between two or more variables is known<br>(A) Cross tabulation (B) Statistics (C) Fads                                                                                                                                                                                                                                                                                                     |
| 07 | Sir Henry maine's name is associated with<br>(A) Sex communism theory (B) Patriarchal theory (C) Matriarchal theory                                                                                                                                                                                                                                                                                                            |
| 08 | Maoris are the inhabitants of: (A) Nigeria (B) Egypt (C) Brazil (D) New Zealand                                                                                                                                                                                                                                                                                                                                                |
| 09 | Which of the following migrate in less numbers?<br>(A) Young females with families (B) Young with unmarried females (C) Young married males without families                                                                                                                                                                                                                                                                   |
| 10 | The system where by a tribe is divided into kinship groups named for an animal or other natural phenomena is<br>(A) Sect (B) Mana (C) Totemism                                                                                                                                                                                                                                                                                 |
| 11 | About how many species of vascular plants have been recorded in Pakistan?<br>(A) 5000-6000 (B) 6500-7000 (C) 8500-9000 (D) 5500-6000                                                                                                                                                                                                                                                                                           |
| 12 | The process by which individuals and groups communicate with public officials in order to influence decisions of Government<br>(A) Lobbying (B) Kibbutz (C) Modernization                                                                                                                                                                                                                                                      |
| 13 | Human population can (A) Exist apart from cultural interaction (B) Exist apart from social interaction<br>(C) Not exist apart from socio cultural interaction                                                                                                                                                                                                                                                                  |
| 14 | The concept of white collar criminal was first introduced by:<br>(A) Limbroso (B) Edwin sutherland (C) Raffack Grafdo                                                                                                                                                                                                                                                                                                          |
| 15 | What is meant by 'brain drain'? (A) increase in the population of mentally retarded or brainless people<br>(B) The increasing medical facilities which have resulted in decrease in the number of mentally retarded people<br>(C) The marriage of highly intellectual people so as to add more intelligent progeny to the population<br>(D) The migration of highly qualified or skilled people to better places of employment |
| 16 | Classical school of criminology was based on (A) Hedonistic psychology (B) Ecology (C) Born criminals                                                                                                                                                                                                                                                                                                                          |
| 17 | Under this census method every person in an area is personally counted and information is obtained from him.<br>This method is known as (A) Dejure method (B) Defecto method (C) Case study method                                                                                                                                                                                                                             |
| 18 | Religion has close connection with (A) Moral control (B) Social control (C) Pakistani culture                                                                                                                                                                                                                                                                                                                                  |
| 19 | A Kinship system in which both sides of person's family are regarded as equally important is known<br>(A) Bilateral descent (B) Bilingualism (C) Amalgamation                                                                                                                                                                                                                                                                  |

|    |                                                                                                                                                                                                                                                                                                                                                  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20 | Who of the following has said that language is mere incident of social life<br>(A) Charles winick (B) Whitney (C) Jacobs and stern                                                                                                                                                                                                               |
| 21 | Which one of the following does not very much influence the density of population?<br>(A) Rainfall (B) Humidity (C) Attitude of the people                                                                                                                                                                                                       |
| 22 | Learning in social context which result effective functioning in social systems is known as<br>(A) Civilization (B) Socialization (C) Learning                                                                                                                                                                                                   |
| 23 | The concept of Bourgeois and the proletariat class was given by (A) Karlmarx (B) Max weber (C) George Simme                                                                                                                                                                                                                                      |
| 24 | A general theory of the universe advanced by a religion is called<br>(A) Cosmology (B) Pathology (C) Optomology                                                                                                                                                                                                                                  |
| 25 | An indicator of people's attitudes or behaviour is known (A) Index (B) Index crime (C) Inovation                                                                                                                                                                                                                                                 |
| 26 | Who of the following has said that "A community is more than any specific organization that rise within it<br>(A) Sheriff and Sheriff (B) Gillin and Gillin (C) R.M. MacIver                                                                                                                                                                     |
| 27 | Who presented grand unification theory? (A) Abdul Kadir Khan (B) Ahmed Zawali (C) Abdul Salam (D) None of these                                                                                                                                                                                                                                  |
| 28 | The practice of living together as a male-female couple without marrying is called<br>(A) Cohabitation (B) Chort (C) Coalition                                                                                                                                                                                                                   |
| 29 | Which area of Pakistan is identified as a global center of plant diversity and endemism<br>(A) Kashmir Hamalya (B) Balochistan (C) Gilgit Baltistan (D) Khyber Pakhtoon Khaw                                                                                                                                                                     |
| 30 | Which outstanding work of Al-Biruni contains a comprehensive and occurate account of history, geography, philosophy, science and social condition of India in 11 <sup>th</sup> Century?<br>(A) Hind Nama (B) Tahqiq al Hind (C) Hind Sindh (D) None of these                                                                                     |
| 31 | The Earth is divided into 238 eco-regions, by the united Nations, the National Geographic society with WWF, out of them how many are in Pakistan<br>(A) 7 (B) 6 (C) 5 (D) 4                                                                                                                                                                      |
| 32 | Research techniques in which the method of study has no influence on the subject under investigation is called<br>(A) Obstrusive measures (B) Unobstrusive measures (C) None of these                                                                                                                                                            |
| 33 | Which of the following regions are regarded as areas of high density of population?<br>(A) East Asia, Central and Southern Europe, Tropical Deserts (B) Amazon and Congo Basins, South East Asia, European Russia (C) Congo Basin and Indonesia, Central and Southern Europe, European Russia (D) East Asia, Southern Asia, North Western Europe |
| 34 | Who has tried to divide the functions of an institution as manifest and latent? (A) K. Davis (B) MacIver (C) Merton                                                                                                                                                                                                                              |
| 35 | August comte has divided sociology into two division<br>(A) Pure and applied (B) Social statistics and social dynamics (C) Positivism and Realism                                                                                                                                                                                                |
| 36 | By the term "Socialization" we mean:<br>(A) To live under the control and supervision of society (B) To regard society (C) To become a functioning member of society                                                                                                                                                                             |
| 37 | One of the following has said that "Every individual is the offspring of a social relation".<br>(A) Gillin and Gillin (B) MacIver and page (C) Ogburn                                                                                                                                                                                            |
| 38 | Life expectancy of a region is:<br>(A) The minimum age up to which an individual should definitely live in the region (B) the maximum age at which any individual of the region can live (C) The average age at which people die in the region (D) The age at which majority of people die in the region                                         |
| 39 | Tendencies to act according to self and role conceptions of an individual is known<br>(A) Motives (B) Frustration (C) Attitudes                                                                                                                                                                                                                  |
| 40 | When the top layer of soil washed away either through the action of wing, rain or flood is called<br>(A) Soil erosion (B) Flood (C) Salinity                                                                                                                                                                                                     |
| 41 | First scientific step towards growth of language is believed to be (A) Voice of sages (B) Imitation (C) Symbol                                                                                                                                                                                                                                   |
| 42 | These canals are so deeply constructed that they can draw water from the river throughout the year<br>(A) Perennial (B) Kerz (C) Inundation                                                                                                                                                                                                      |
| 43 | Littoral and swamp forests are more or less gregarious forests of low height which occur in the<br>(A) Arabian sea around the coast of Karachi (B) Pasni in Baluchistan (C) None of these (D) Both (a) & (b)                                                                                                                                     |
| 44 | Survey in which the surveyor himself is required to move about and collect information survey is called<br>(A) Personal survey (B) Open survey (C) Postal survey                                                                                                                                                                                 |
| 45 | According to Madison grant race implies (A) Heredity (B) Culture (C) Community                                                                                                                                                                                                                                                                   |
| 46 | Population and social system is the work of: (A) L. Brento (B) Frank Fetter (C) Car Saunders                                                                                                                                                                                                                                                     |
| 47 | Which of the following is a reason for the increase in population of the developing countries?<br>(A) Increase in birth rate due to reluctance to accept family planning measures (B) Increase in life expectancy and decrease of death rate due to medical facilities (C) Both of these (D) None of these                                       |
| 48 | The deliberate, systematic killing of an entire people or nation is known as<br>(A) Gender identity (B) Genocide (C) Gemein schaft                                                                                                                                                                                                               |
| 49 | Who was great Muslim translator who born in Basra in the bigining of the 19 <sup>th</sup> Century is called Philosopher of "Arabs" in west?<br>(A) Abdul Qasim Al-Zahrawi (B) Abu Yusuf Yakoob Ibn Ishaque Al-Kundi (C) Both of them (D) None of them                                                                                            |
| 50 | Age specific death rate for infants under the age of one year is known as<br>(A) Infant fertility rate (B) Infant mortality rate (C) Infant fecundity rate                                                                                                                                                                                       |

**PAPER TYPE: B**

**Sindh Public Service Commission, Hyderabad.**

**Pre-Interview Written Test for the Post Of Staff Nurse (BPS-16) In Health Department, Government Of Sindh**

Tuesday the 06<sup>th</sup> October, 2015

Time: 01:00 pm to 02:30 pm

Maximum marks: 100

**QUESTION PAPER**

**General Instructions:**

- 01 Candidates are to attempt all questions.
- 02 Write your Roll No., Name, Father's Name & Centre on the Answer Sheet within the given space.
- 03 Do not write this data anywhere else on the Answer sheet. Doing so will render the candidate disqualified.
- 04 Follow instructions on the Answer Sheet to mark your responses correctly. Answer carefully by filling one of the appropriate blank cells given in the Answer Sheet with black or blue ball pen only.
- 05 Sign your answer sheet in specified space.
- 06 Return your Question paper & Answer Sheet after the examination.

**Most important:- Any candidate found in possession of mobile phone or any similar device in the examination hall will be expelled from the examination hall. Question paper is part of answer sheet for assessment purpose. No candidate is allowed to carry question paper/answer sheet out of the examination hall.**

|    |                                                                                                                                                                                                                                                                                        |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | Who is the author of great English epic "Paradise Lost"?<br>(A) Shakespeare (B) Milton (C) Wordsworth (D) Tennyson                                                                                                                                                                     |
| 02 | Theory of Relativity was first presented by:<br>(A) Max Planck (B) Albert Einstein (C) Socrates (D) Shankar Acharya                                                                                                                                                                    |
| 03 | Millennium Development Goals (MDG) set by UN ought to be achieved by the year:<br>(A) 2013 (B) 2014 (C) 2015 (D) 2016                                                                                                                                                                  |
| 04 | "In black and white" means:<br>(A) A movie in two colours (B) In writing (C) Without doubt (D) On the spot                                                                                                                                                                             |
| 05 | Nursing care in gastroscopy include all except<br>(A) Explanation of procedure (B) No fluid is given for 4 to 6 hrs before surgery<br>(C) Antibiotic is administered ½ an hour before surgery (D) Dentures and jewellery is removed                                                    |
| 06 | A baby boy is born after C section of three kilogram weight with APGAR score 9 out of 10, what first step you will take being on duty medical assistant:<br>(A) Cut the umbilical cord<br>(B) Suction of mouth and nostrils (C) Give to mother for breast feeding (D) Give antibiotics |
| 07 | Who coined the word Pakistan?<br>(A) Sir Syed Ahmed Khan (B) Chaudhry Rehmat Ali (C) Maulvi Fazalhaq (D) Allama I. I. Kazi                                                                                                                                                             |
| 08 | Typhoid fever is caused by: (A) E - Coli (B) Salmonella Typhi (C) Plasmodium (D) H - Influenza                                                                                                                                                                                         |
| 09 | The vast alluvial plains lying between the western banks of Manchar lake and Kirthar range is known as:<br>(A) Kachu (B) Kohistan (C) Kaachho (D) Indua Delta                                                                                                                          |
| 10 | All are soil mediated infections except:<br>(A) Whipworm (B) Hookworm (C) Strongyloides (D) Guinea worm                                                                                                                                                                                |
| 11 | Enteral feeding is feeding through<br>(A) Stomach tube (B) Nasogastric tube (C) Intravenous route (D) Oral route                                                                                                                                                                       |
| 12 | The blood which can be transfused without cross matching in patient with hemorrhagic shock<br>(A) A Rh +ve (B) B Rh +ve (C) AB -ve (D) O Rh -ve                                                                                                                                        |
| 13 | What is WHO recommended normal cholesterol level in human?<br>(A) 200 ml/dl (B) Below 200 ml/dl (C) Above 200 ml/dl (D) None of these                                                                                                                                                  |
| 14 | Following are signs of labour except<br>(A) Painful uterine contraction (B) Watery vaginal discharge (C) Show (D) Descend of fetal head                                                                                                                                                |
| 15 | Stomatitis is inflammation of<br>(A) Rectum (B) Vagina (C) Oral cavity (D) Oesophagus                                                                                                                                                                                                  |
| 16 | Fever is termed as high grade if it is: (A) < 98°F (B) > 98°F (C) > 100°F (D) > 104°F                                                                                                                                                                                                  |
| 17 | The common type of anemia in pregnancy is<br>(A) Megaloblastic (B) Iron deficiency (C) Haemolytic (D) Aplastic                                                                                                                                                                         |

|    |                                                                                                                                                                                                                                                                                         |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 18 | In 1847 the province of Sindh was divided in how many collectorates?<br>(A) Five (B) Three (C) Four (D) Six                                                                                                                                                                             |
| 19 | The ideal BMI of a person is (A) 14-19 (B) 20-25 (C) 26-29 (D) 30-35                                                                                                                                                                                                                    |
| 20 | Sindh became a separate province after 1935 Act of India and was separated from Bombay Presidency. Identify the year<br>(A) 1935 (B) 1937 (C) 1936 (D) 1939                                                                                                                             |
| 21 | HBV vaccine is given by the route of (A) Subcutaneous (B) Intravenous (C) Intradermal (D) Intramuscular                                                                                                                                                                                 |
| 22 | Following are true regarding chlorination, except (A) Contact period – 30 is minutes<br>(B) Free chlorine 0.5 mg/liter from one hour (C) Water should not be turbid<br>(D) Chlorine demand should be estimated                                                                          |
| 23 | The common causes of vertigo, except (A) Manieres disease (B) Labyrinthitis (C) Acoustic neuronitis (D) Mastoiditis                                                                                                                                                                     |
| 24 | Blood complete picture shows microcytic hypochromic anaemia, that may be due to deficiency of<br>(A) Folic acid (B) Iron (C) Vitamin B12 (D) Iodine                                                                                                                                     |
| 25 | The nursing management of a cancer patient receiving chemotherapy include all except<br>(A) Prevention of infection (B) Management of bleeding (C) Patient education (D) Change of chemotherapy                                                                                         |
| 26 | Influenza pandemic occurs after every 7 – 10 years. This kind of disease distribution in time is known as:<br>(A) Secular (B) Short time fluctuation (C) Cyclical trend (D) Seasonal trend                                                                                              |
| 27 | Mumps is disease of: (A) Thyroid gland (B) Parotid gland (C) Pituitary gland (D) Parathyroid gland                                                                                                                                                                                      |
| 28 | Patient is in recovery room after surgery. The most important initial nursing intervention is:<br>(A) Check wound site for bleeding (B) Check urinary output (C) Check vitals (D) Check skin colour                                                                                     |
| 29 | Disinfection of living tissue is called: (A) Sepsis (B) Antisepsis (C) Antibiotic (D) Bacterimia                                                                                                                                                                                        |
| 30 | Prevention of the emergence or development of risk factors in countries or population group in which they have not yet appeared is known as:<br>(A) Primordial (B) Primary prevention (C) Secondary prevention (D) Tertiary prevention                                                  |
| 31 | Which of the following is not a feature of Horner's syndrome<br>(A) Miosis (B) Ptosis (C) Hypohidrosis (D) Arthritis                                                                                                                                                                    |
| 32 | After the conquest of Sind in 1843 the first British Governor of Sindh was:<br>(A) Sir John Jacob (B) Sir Charles Napier (C) Bartle Frere (D) Richard Burton                                                                                                                            |
| 33 | Oedema is defined as excessive accumulation of<br>(A) Interstitial fluid (B) Intravascular fluid (C) Peritoneal fluid (D) Lymphatic fluid                                                                                                                                               |
| 34 | Following vitamins are absorbed from small intestine except<br>(A) Vit A (B) Vit D (C) Vit K (D) Vit B 12                                                                                                                                                                               |
| 35 | The integrity, principles, ethics, meaning & purpose in life, are said to be<br>(A) Physical dimension (B) Mental dimension (C) Emotional dimension (D) Spiritual dimension                                                                                                             |
| 36 | Hassan Ali Effendi established Sindh Muhammadan Association on the advice of:<br>(A) Quaid-i-Azam (B) G.M. Bhurgri (C) Justice Syed Ameer Ali (D) Maulana Ubedullah Sindhi                                                                                                              |
| 37 | Which type of worms cause iron deficiency anaemia<br>(A) Thread worms (B) Round worms (C) Hook worms (D) Tape worms                                                                                                                                                                     |
| 38 | Following are complications of uncontrolled diabetes except:<br>(A) Peripheral neuropathy (B) Retinopathy (C) Microvascular disease (D) Asthma                                                                                                                                          |
| 39 | Shah Abdul Latif Bhittai's 'Risalo' was first published by Dr. Ernest Trumpp from:<br>(A) Paris (B) London (C) Leopzig (D) Bombay                                                                                                                                                       |
| 40 | The time from receiving the infection to the onset of infectiousness, i.e. the ability to teansmit infection<br>(A) Latency period (B) Window period (C) Infective period (D) Incubation period                                                                                         |
| 41 | Rickets is a disease caused by deficiency of<br>(A) Vitamin A (B) Vitamin B complex (C) Calcium (D) Magnesium                                                                                                                                                                           |
| 42 | Nursing intervention for pre operative preparation of patient are as follows except:<br>(A) Decrease anxiety (B) Assess patient to understand pre and post operative events<br>(C) Teach patient to perform deep breathing and leg exercises (D) Propose appropriate surgical procedure |
| 43 | Purest water in nature is from (A) Lakes (B) Rain (C) Spring (D) Ponds                                                                                                                                                                                                                  |
| 44 | The change occurring in the disease frequency over many years is called<br>(A) Cyclical trend (B) Seasonal trend (C) Secular trend (D) None of these                                                                                                                                    |
| 45 | Diabetes Mellitus is caused by deficiency of (A) Thyroxin (B) Calcitonin (C) Insulin (D) ADH                                                                                                                                                                                            |
| 46 | Which of the following drug can only be given by intravenous route:<br>(A) Calcium gluconate (B) Magnesium sulfate (C) Vitamin K (D) Vitamin D3                                                                                                                                         |



|    |                                                                                                                                                                                                                        |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 47 | Vesicovaginal fistula is abnormal communication between<br>(A) Bladder and vagina (B) Urethra and vagina (C) Rectum and vagina (D) Ureter and vagina                                                                   |
| 48 | The Simla delegation called on Lord Minto, the Viceroy of India, in October 1906, The delegation was led by:<br>(A) M.R. Gandhi (B) Sir Agha Khan (C) Allama Iqbal (D) Sir Saleemullah Khan                            |
| 49 | A lady is suffering from chronic renal failure, her blood will mostly lack in<br>(A) Erythrocytes (B) Neutrophils (C) Monocytes (D) Lymphocytes                                                                        |
| 50 | AIDS is a disease caused by: (A) Virus (B) Bacteria (C) Fungi (D) Parasite                                                                                                                                             |
| 51 | The host is infected, but does not become functionally infection & thus does not transmit on the infection<br>(A) obligate host (B) Definitive host (C) Intermediate host (D) Dead and host                            |
| 52 | For diagnosis of pulmonary tuberculosis the sputum of AFB should be examined for<br>(A) One day (B) Two days (C) Three days (D) Four days                                                                              |
| 53 | Impersonal health care includes all except:<br>(A) Maternal & child health (B) Water supply (C) School health (D) Occupational health                                                                                  |
| 54 | Appendicitis can be suspected from blood complete picture showing raised<br>(A) Neutrophils (B) Eosinophils (C) Basophils (D) Lymphocytes                                                                              |
| 55 | Gomal Zam Dam was inaugurated in 2013 at:<br>(A) North Waziristan (B) South Waziristan (C) Upper Dir (D) Skardu                                                                                                        |
| 56 | Oxytocin is secreted by (A) Anterior pituitary (B) Posterior pituitary (C) Thyroid (D) hypothalamus                                                                                                                    |
| 57 | Beta blockers are contraindicated in management of hypertension in association with<br>(A) Myocardial infarction (B) Asthma (C) Diabetes (D) Peptic ulcer                                                              |
| 58 | All are early manifestation of shock except<br>(A) Decrease in blood pressure (B) Rapid weak pulse (C) Moist cold skin (D) Decreased urinary output                                                                    |
| 59 | The first man on the moon was an American astronaut in 1969, his name was:<br>(A) Michael Collins (B) Edwin Buzz Aldrin (C) Stephen King (D) Neil Armstrong                                                            |
| 60 | Which of the following is not a function of nervous tissue:<br>(A) Conduction (B) Contraction (C) Integration (D) Coordination                                                                                         |
| 61 | Which one of following is good cholesterol for consumption:<br>(A) LDL (B) HDL (C) VLDL (D) Triglycerides                                                                                                              |
| 62 | Grammar can be defined as:<br>(A) Art of politics (B) Rules to combine words into larger units of language<br>(C) Science of oratory (D) Composing poetry                                                              |
| 63 | The best position of mother in first stage of labour is<br>(A) Lithotomy (B) Supine (C) Knee -chest (D) Left lateral                                                                                                   |
| 64 | Leading cause of diarrheal disease in? (A) Enterotoxigenic Escherichia coli<br>(B) B.salmonella (non-typhoid) (C) Rotavirus (D) D. Campylobacter jejune                                                                |
| 65 | After the abolition of One Unit scheme, in which year Sindh regained the Provincial status?<br>(A) 1969 (B) 1970 (C) 1973 (D) 1968                                                                                     |
| 66 | Chicken pox is caused by (A) Herpes zoster (B) HPV (C) Rubella Virus (D) Mumps                                                                                                                                         |
| 67 | Sputum specimen in unconscious patient can be obtained by<br>(A) Coughing (B) Postural drainage (C) Tracheal aspiration (D) Aspiration syringe                                                                         |
| 68 | If a patient develops reaction due to incompatibility of blood the early nursing intervention should be<br>(A) Administer adrenaline (B) Give oxygen by mask (C) Stop administration of blood (D) Administer haemaccel |
| 69 | "Reconstruction of Religious Thought in Islam" is a modern classic written by:<br>(A) Abul Kalam Azad (B) Allama Iqbal (C) Dr. Zakir Hussain (D) Abdullah Yusuf Ali                                                    |
| 70 | Hypertension is most common due to<br>(A) Renal disease (B) Cardiovascular disease (C) Endocrinal cause (D) Idiopathic                                                                                                 |
| 71 | In which condition breastfeeding is contraindicated to infant:<br>(A) Diabetes (B) Hepatitis (C) Diarrhea (D) Active tuberculosis                                                                                      |
| 72 | Best indicator of air pollution is (A) Lead (B) Dust (C) Carbon monoxide (D) Sulphur - dioxide                                                                                                                         |
| 73 | Pulmonary artery arises from (A) Right Atrium (B) Left Atrium (C) Right Ventricle (D) Left Ventricle                                                                                                                   |
| 74 | The drug commonly used to manage cardiac arrhythmias is:<br>(A) Ventolin (B) Digoxin (C) Ceftriaxone (D) Metformine                                                                                                    |
| 75 | In which of the following congenital hyperbilirubinemia syndrome phenobarbitol is indicated<br>(A) Gilbert's (B) Crigler Najjar (C) Dubin Johnson (D) Rotor                                                            |

|     |                                                                                                                                                                                                                                         |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 76  | A person required blood transfusion after road accident, which of the following blood can't be transfused to the patient. His own blood group is A positive<br>(A) A negative (B) O positive (C) O negative (D) AB positive             |
| 77  | Bluish discoloration of skin is called (A) Anaemia (B) Jaundice (C) Dehydration (D) Cyanosis                                                                                                                                            |
| 78  | The minimum recommended dose of "free" residual chlorine in water for routine 3 chlorination<br>(A) 10mg/it after 1 hour contact (B) 0.5mg/it after ½ hour contact<br>(C) 0.5mg/it after 1 hour contact (D) 4mg/it after ½ hour contact |
| 79  | Thyroxin is secreted from (A) Pituitary gland (B) Hypothalamus (C) Parathyroid gland (D) Thyroid gland                                                                                                                                  |
| 80  | Maximum score in glassgow – coma scale is: (A) 5 (B) 10 (C) 15 (D) 20                                                                                                                                                                   |
| 81  | Saw tooth appearance in ECG shows:<br>(A) Atrial flutter (B) Atrial fibrillation (C) Heart block (D) Myocardial infarction                                                                                                              |
| 82  | "A rolling stone" means:<br>(A) A person who does not stay at one place (B) A criminal (C) A jester (D) An unreliable person                                                                                                            |
| 83  | Confirmatory test for tuberculosis is (A) Chest X-ray (B) Sputum for bacteriological examination<br>(C) Tuberculosis test "D" (D) Scan of chest                                                                                         |
| 84  | 'A short History of Saracens' is a famous book by Syed Amir Ali. What is the meaning of word 'Saracens':<br>(A) People of the East (B) Ethiopians (C) Umayyad (D) Fatimid                                                               |
| 85  | In an outbreak of cholera in a village of 2.000 populations, 20 cases have occurred and 5 died. Case fatality rate is:<br>(A) 1% (B) 5% (C) 10% (D) 25%                                                                                 |
| 86  | Which one of following drugs may cause peptic ulcer<br>(A) Aspirine (B) Paracetamol (C) Vitamin C (D) Doxycycline                                                                                                                       |
| 87  | Soma is a part of: (A) Neuron (B) Muscle fibre (C) Connective tissue (D) Epithelial tissue                                                                                                                                              |
| 88  | Ground water has the following advantages, except (A) Likely to be free from pathogenic organisms<br>(B) Usually required no treatment (C) Supply is likely to be certain during dry season (D) Likely to be hired                      |
| 89  | P5 stands for:<br>(A) A mountainous peak in Nanga Parbat (B) Five permanent members of UN Security Council<br>(C) A cruise missile (D) Election Manifesto of PPP                                                                        |
| 90  | Improving sanitation in a village is: (A) Primary prevention (B) Primordial prevention<br>(C) Secondary prevention (D) Not a prevention measure                                                                                         |
| 91  | Which of the following is not a fat soluble vitamin<br>(A) Vitamin A (B) Vitamin C (C) Vitamin D (D) Vitamin E                                                                                                                          |
| 92  | The ability of a microorganism to produce disease in a shorter period of time with a very low dose even<br>(A) Pathogenicity (B) Virulence (C) Infectivity (D) None of these                                                            |
| 93  | RADAR was invented in 1935 as a way of locating enemy aircraft. Its inventor was:<br>(A) Frank Morris (B) Mortimer Wheeler (C) Robert Watson-Watt (D) James Morrier                                                                     |
| 94  | The last system during fetal life to mature is<br>(A) cardiovascular system (B) Genitourinary system (C) Respiratory system (D) Nervous system                                                                                          |
| 95  | Edward Snowden worked for US secret service and now calls himself a 'whistleblower'. The term stands for:<br>(A) A rogue employee (B) An informer who listens to his conscience (C) A Spy (D) Troublemaker                              |
| 96  | A patient who has come from sukkur, is reported to have generalized aches, pain and rash on the body excluding palms and soles. The most likely diagnosis is:<br>(A) Scarlet fever (B) Trypanosomniasis (C) Malaria (D) Dengue          |
| 97  | Collapse of otherwise normal lung tissue is termed as<br>(A) Asthma (B) Tuberculosis (C) Atelectasis (D) Pneumonia                                                                                                                      |
| 98  | The first President of Pakistan under 1973 constitution was:<br>(A) Z.A. Bhutto (B) Chaudry Fazal Illahi (C) Ghulam Ishaq Khan (D) Farooq Laghari                                                                                       |
| 99  | The constitutional history of India begins with:<br>(A) Arab rule (B) Mughal rule (C) Act of 1935 (D) Independence Act of India -1947                                                                                                   |
| 100 | The largest desert of the world is:<br>(A) Australian (B) Arabian (C) Gobi (D) Sahara                                                                                                                                                   |

**PAPER TYPE: C**  
**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD**  
**PRE INTERVIEW WRITTEN TEST FOR THE POST OF PLANNING OFFICER (ENERGY SECTION)**  
**(BPS-17) IN PLANNING & DEVELOPMENT DEPARTMENT, GOVERNMENT OF SINDH**

(Telecommunication Engineering )

Tuesday the 24<sup>TH</sup> December 2013

Time 10:00 A.M to 11:00 A.M

Maximum Marks: 100

**QUESTIONS PAPER**

**General Instructions to the Candidates:**

- 1) Candidates are to attempt all questions.
- 2) Write your Roll No, Name, Father Name & Centre on the Answers Sheet Within the space provided.
- 3) Do not write these data any where else on the Answer sheet. Doing so will render the candidates disqualified.
- 4) Follow instructions on the Answers sheet to marks your response correctly. Answers carefully by filling one of the appropriate blank cells provided in the Answers Sheet with black Blue ball pen only.
- 5) Each incorrect answer will result in deduction of half (1/2) marks
- 6) Sign your answers sheet in space provided.
- 7) Return your Question paper & Answers Sheet after attempting the Question paper.

**MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. QUESTION PAPER IS PART OF ANSWER SHEET FOR ASSESSMENT PURPOSE. NO CANDIDATES IS ALLOWED TO CARRY QUESTION PAPER/ ANSWER SHEET OUT OF THE EXAMINATION HALL.**

|    |                                                                                                                                                                                                                                          |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | The output of a diode detector does not contain<br>(a) output signal (b) modulation signal<br>(c) both (a) and (b) (d) none of the above                                                                                                 |
| 02 | Which signal will become zero when the feedback signal and reference signs are equal?<br>(a) Input signal (b) Actuating signal<br>(c) both (a) and (b) (d) none of the above                                                             |
| 03 | In radar system, in type B indicator, the cathode ray beam is modulated in intensity (a) to indicate (b) the position (c) the target<br>(d) the enemy (e) None of these                                                                  |
| 04 | In the condition of low distortion, we completely neglect<br>(a) C (capacitance) (b) V (potential difference)<br>(c) R (the resistance per unit length of the line) (d) none of the above                                                |
|    | The voltage gain of an amplifier is 100 and current gain is 2. The power gain of the amplifier will be<br>(a) 100 (b) 200 (c) 350 (d) 450                                                                                                |
| 06 | Which of the following signal is not transmitted in colour TV?<br>(a) Q (b) J (c) R (d) None of the above                                                                                                                                |
| 07 | For a d.c. power supply, diode can be used as a detector and a<br>(a) emitter (b) rectifier (c) either (a) or (b) (d) none of these                                                                                                      |
| 08 | For a d.c. power supply, diode can be used as a detector and a<br>(a) emitter (b) rectifier (c) either (a) or (b) (d) none of these                                                                                                      |
| 09 | The type 1 system can have a constant output velocity at steady state only when<br>(a) there is a fluctuating state error (b) there is a variable steady state error<br>(c) there is a constant steady state error (d) none of the above |
| 10 | For satellite tracking at VHF, helical antenna is often used because of<br>(a) Faraday effect (b) Laplace effect<br>(c) Super reaction (d) none of the above                                                                             |
| 11 | Losses due to induction and radiation in coaxial line are reduced to<br>(a) minimum (b) maximum (c) constant (d) none of the above                                                                                                       |
| 12 | The intelligence in the form of RF power is available at the<br>(a) transmitter (b) transmitter output<br>(c) both (a) and (b) (d) none of the above                                                                                     |
| 13 | The gain of a current element is<br>(a) 1.76 dB (b) 2052 dB (c) 3058 dB (d) 7.25 Db                                                                                                                                                      |
| 14 | Which of the following is multiband HF receiving antenna?<br>(a) the folded dipole (b) Log-periodic (c) Square loop (d) None of these                                                                                                    |
| 15 | A full wave bridge rectifier is supplied voltage at 50 Hz. The lowest ripple frequency will be<br>(a) 100 Hz (b) 95 Hz (c) 75 Hz (d) 225 Hz                                                                                              |
| 16 | A full wave bridge rectifier is supplied voltage at 50 Hz. The lowest ripple frequency will be<br>(a) 100 Hz (b) 95 Hz (c) 75 Hz (d) 225 Hz                                                                                              |
| 17 | In order to receive a vertically polarized wave, the conductor of the dipole should (a) be mounted (b) at an angle of 60 degrees<br>(c) horizontally (d) vertically (e) at an angle of 45 d                                              |
| 18 | The power gain of a half-wave dipole with respect to an isotropic radiator is<br>(a) 6 dB (b) 2.15 dB (c) 7.25 dB (d) 10.12 dB                                                                                                           |



|    |                                                                                                                                                                                                  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 19 | Distortion measurement can be made separately on<br>(a) transmitters (b) d.c. lines (c) VF channels (d) All of these                                                                             |
| 20 | Distortion measurement can be made separately on<br>(a) transmitters (b) d.c. lines (c) VF channels (d) All of these                                                                             |
| 21 | In ground wave propagation the absorption of waves<br>(a) decreases with frequency (b) increases with frequency<br>(c) both (a) and (b) (d) none of the above                                    |
| 22 | Which of the following crystal filter is used only at the higher frequencies?<br>(a) Half lattice (b) Ladder (c) Crystal gate (d) none of the above                                              |
| 23 | Which of the following amplifier circuit using junction transistor has the best gain?<br>(a) Common emitter (b) Common collector (c) Common base (d) None of the above                           |
| 24 | Which of the following filter is generally used in SSB generation?<br>(a) LC filter (b) Crystal filter (c) Active filter (d) Mechanical filter                                                   |
| 25 | The upper limit for transmission time is given by<br>(a) 16.7 ms (b) 12.5 ms (c) 13.5 ms (d) 17.8 ms                                                                                             |
| 26 | Feedback reduces sensitivity of the ratio of output to input to variations in<br>(a) bandwidth (b) system characteristic (c) open-loop system (d) none of the above                              |
| 27 | The gain of a simple half-wave dipole over an isotropic radiator is of the order of<br>(a) 7 dB (b) 5 dB (c) 3 dB (d) 2 dB                                                                       |
| 28 | In R.F. characteristic, the type of vision modulation is<br>(a) AM positive (b) AM negative (c) both (a) and (b) (d) none of the above                                                           |
| 29 | Nepar is<br>(a) equal to decibel (b) smaller than decibel (c) both (a) and (b) (d) none of the above                                                                                             |
| 30 | Channel capacity is equal to<br>(a) amount of information per second (b) noise rate<br>(c) bandwidth of demand (d) none of the above                                                             |
| 31 | Which of the following section plays significant role for sensitivity and selectivity?<br>(a) IF (b) Mixer (c) Detector (d) None of these                                                        |
| 32 | Audio frequency range lies between<br>(a) 30 MHz and 250 MHz (b) 20 Hz and 20 kHz<br>(c) 50 MHz and 500 MHz (d) 35 Hz and 45 kHz                                                                 |
| 33 | In a radio receiver the noise is generally increased by<br>(a) power supply (b) mixer (c) local oscillator (d) none of the above                                                                 |
| 34 | A beat frequency between 1500 kHz and 1955 kHz is<br>(a) 435 kHz (b) 350 kHz (c) 665 kHz (d) 750 kHz                                                                                             |
| 35 | In case of low level amplitude modulation system, the amplifiers following the modulated stage must be<br>(a) non-linear device (b) class C amplifiers<br>(c) linear device (d) both (a) and (b) |
| 36 | Treble tone of loud speakers corresponds to<br>(a) low frequencies (b) high frequencies (c) low amplitudes (d) high amplitudes                                                                   |
| 37 | A transponder comprises of<br>(a) transmitter (b) receiver (c) antenna (d) (a), (b) and (c)                                                                                                      |
| 38 | In radar system, in type B indicator, the cathode ray beam is modulated in intensity (a) to indicate (b) the position (c) the target<br>(d) the enemy (e) None of these                          |
| 39 | Which is the largest desert in the world.<br>(a) Arabian (b) Australian (c) Sahara (d) Gobi                                                                                                      |
| 40 | The longest river of the world is (a) Nile (b) Lena (c) Prarana (d) Congo                                                                                                                        |
| 41 | When Radcliff award was announced<br>(a) 15 August 1948 (b) 15 August 1947 (c) 15 August 1949 (d) 18 August 1945                                                                                 |
| 42 | When Liaquat Ali Khan was assassinated?<br>(a) 17 October 1951 (b) 16 October 1951 (c) 18 October 1951 (d) None of these                                                                         |
| 43 | Which one is the largest Island in the world<br>(a) Borneo (b) Great Britain (c) Victoria (d) Green Land                                                                                         |
| 44 | Jinnah's famous fourteen points were formulated in;<br>(a) March 1923 (b) March 1924 (c) March 1925 (d) March 1929                                                                               |
| 45 | When Muhammad Bin Qasim Defeated Raja Dahar; (a) 712 (b) 713 (c) 715 (d) 718                                                                                                                     |
| 46 | Name the leader who took active part in forming Muslim League in Baluchistan<br>(a) Qazi Muhammad Isa (b) Qazi Muhammad Moosa (c) Qazi Saeed (d) Ghulam Muhammad Chowdhry                        |
| 47 | The third round table conference was held in;<br>(a) 1930 (b) 1932 (c) 1934 (d) 1933                                                                                                             |
| 48 | The Federal Shariat court was established in;<br>(a) 24 <sup>th</sup> June 1980 (b) 22 <sup>nd</sup> June 1980 (c) 25 <sup>th</sup> June 1980 (d) None of these                                  |
| 49 | When was Pakistan Conference Held in Islamiya College Lahore?<br>(a) 1942 (b) 1941 (c) 1940 (d) None of these                                                                                    |
| 50 | Give the date of arrival of Simon Commission in India?<br>(a) 3 <sup>rd</sup> November 1928 (b) 3 <sup>rd</sup> December 1928 (c) 3 <sup>rd</sup> February 1928 (d) None of these                |

**PAPER TYPE : B**  
**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD**  
**PRE INTERVIEW WRITTEN TEST FOR THE POST OF PLANNING OFFICER (ENERGY SECTION)**  
**(BPS-17) IN PLANNING & DEVELOPMENT DEPARTMENT, GOVERNMENT OF SINDH**

**(Electronics Engineering)**

Tuesday the 24<sup>th</sup> December 2013  
Time 10:00 A.M to 11:00 A.M

Maximum Marks: 100

**QUESTIONS PAPER**

**General Instructions to the Candidates:**

- 1) Candidates are to attempt all questions.
- 2) Write your Roll No. Name, Father Name & Centre on the Answers Sheet Within the space provided.
- 3) Do not write these data any where else on the Answer sheet. Doing so will render the candidates disqualified.
- 4) Follow instructions on the Answers sheet to marks your response correctly. Answers carefully by filling one of the appropriate blank cells provided in the Answers Sheet with black Blue ball pen only.
- 5) Each incorrect answer will result in deduction of half (1/2) marks.
- 6) Sign your answers sheet in space provided.
- 7) Return your Question paper & Answers Sheet after attempting the Question paper.

**MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. QUESTION PAPER IS PART OF ANSWER SHEET FOR ASSESSMENT PURPOSE. NO CANDIDATES IS ALLOWED TO CARRY QUESTION PAPER/ ANSWER SHEET OUT OF THE EXAMINATION HALL.**

|    |                                                                                                                                                                                                                          |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | The ac equivalent circuit is derived from the original circuit by shorting all<br>(a) Resistors (b) Capacitors (c) Inductors (d) Transistors                                                                             |
| 02 | The input impedance of the base increases when<br>(a) $\beta$ increases (b) Supply voltage increases (c) $\beta$ decreases (d) AC collector resistance increases                                                         |
| 03 | Compared to a CE stage, a swamped amplifier has an input impedance that is<br>(a) Smaller (b) Equal (c) Larger (d) Zero                                                                                                  |
| 04 | The third round table conference was held in:<br>(a) 1930 (b) 1932 (c) 1934 (d) 1933                                                                                                                                     |
| 05 | The Federal Shariat court was established in:<br>(a) 24 <sup>th</sup> June 1980 (b) 22 <sup>nd</sup> June 1980 (c) 25 <sup>th</sup> June 1980 (d) None of these                                                          |
| 06 | At high frequencies, ordinary diodes don't work properly because of<br>(a) Forward bias (b) Reverse bias (c) Breakdown (d) Charge storage                                                                                |
| 07 | 23 A photodiode is normally<br>(a) Forward biased (b) Reverse biased (c) Neither forward nor reverse biased (d) Emitting light                                                                                           |
| 08 | 24 The device associated with voltage-controlled capacitance is a<br>(a) LED (b) Photodiode (c) Varactor diode (d) Zener diode                                                                                           |
| 09 | In an npn transistor, the majority carriers in the base are<br>(a) Free electrons (b) Holes (c) Neither (d) Both                                                                                                         |
| 10 | The current gain of a transistor is the ratio of the<br>(a) Collector current to emitter current (b) Collector current to base current<br>(c) Base current to collector current (d) Emitter current to collector current |
| 11 | The bulk resistance of a 1N4001 is<br>(a) 0 (b) 0.23 $\Omega$ (c) 10 $\Omega$ (d) 1 k $\Omega$                                                                                                                           |
| 12 | Suppose line voltage may be as low as 105 V rms or as high as 125 rms in a half-wave rectifier. With a 5:1 step-down transformer, the maximum peak load voltage is closest to<br>(a) 210V (b) 25 V (c) 29.6 V (d) 35.4 V |
| 13 | If line frequency is 60 Hz, the output frequency of a bridge rectifier is<br>(a) 30 Hz (b) 60 Hz (c) 120 Hz (d) 240 Hz                                                                                                   |
| 14 | If the filter capacitance is increased, the ripple will<br>(a) Decrease (b) Stay the same (c) Increase (d) None of these                                                                                                 |
| 15 | If the series resistance decreases in an unloaded Zener regulator, the Zener current<br>(a) Decreases (b) Stays the same (c) Increases (d) Equals the voltage divide by the resistance                                   |
| 16 | An ideal voltage source has<br>(a) Zero internal resistance (b) Infinite internal resistance<br>(c) A load-dependent voltage (d) A load-dependent current                                                                |
| 17 | A solder bridge may cause<br>(a) A short (b) An open (c) A fire (d) A Norton current                                                                                                                                     |
| 18 | The quiescent collector current is the same as the<br>(a) DC collector current (b) AC collector current<br>(c) Total collector current (d) Voltage-divider current                                                       |
| 19 | If a load resistance is 1 k $\Omega$ , a stiff current source has a resistance of<br>(a) At least 10 $\Omega$ (b) Less than 10 $\Omega$ (c) More than 100 k $\Omega$ (d) Less than 100 k $\Omega$                        |

|    |                                                                                                                                                                                                                                                                   |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20 | If clipping occurs in an amplifier, it makes music or voice<br>(a) Sound better (b) Louder (c) Sound terrible (d) One octave lower                                                                                                                                |
| 21 | Give the date of arrival of Simon Commission in India?<br>(a) 3 <sup>rd</sup> November 1928 (b) 3 <sup>rd</sup> December 1928 (c) 3 <sup>rd</sup> February 1928 (d) None of these                                                                                 |
| 22 | When Redcliffe award was announced<br>(a) 15 August 1948 (b) 15 August 1947 (c) 15 August 1949 (d) 18 August 1945                                                                                                                                                 |
| 23 | When Liaquat Ali Khan was assassinated?<br>(a) 17 October 1951 (b) 16 October 1951 (c) 18 October 1951 (d) None of these                                                                                                                                          |
| 24 | Which is the largest desert in the world.<br>(a) Arabian (b) Australian (c) Sahara (d) Gobi                                                                                                                                                                       |
| 25 | The longest river of the world is<br>(a) Nile (b) Lena (c) Prarana (d) Congo                                                                                                                                                                                      |
| 26 | Which one is the largest Island in the world<br>(a) Borneo (b) Great Britain (c) Victoria (d) Greenland                                                                                                                                                           |
| 27 | Jinnah's famous fourteen points were formulated in;<br>(a) March 1923 (b) March 1924 (c) March 1925 (d) March 1929                                                                                                                                                |
| 28 | When Muhammad Bin Qasim Defeated Raja Dahar;<br>(a) 712 (b) 713 (c) 715 (d) 718                                                                                                                                                                                   |
| 29 | Name the leader who took active part in forming Muslim League in Baluchistan<br>(a) Qazi Muhammad Isa (b) Qazi Muhammad Moosa (c) Qazi Saeed (d) Ghulam Muhammad Chowdhry                                                                                         |
| 30 | When was Pakistan Conference Held in Islamiya College Lahore?<br>(a) 1942 (b) 1941 (c) 1940 (d) None of these                                                                                                                                                     |
| 31 | With voltage-divider bias, the base voltage is<br>(a) Less than the base supply voltage (b) Equal to the base supply voltage<br>(c) Greater than the base supply voltage (d) Greater than the collector supply voltage                                            |
| 32 | The voltage where avalanche occurs is called the<br>(a) Barrier potential (b) Depletion layer (c) Knee voltage (d) Breakdown voltage                                                                                                                              |
| 33 | When the reverse voltage increases from 5 to 10 V, the depletion layer<br>(a) Becomes smaller (b) Becomes larger (c) Is unaffected (d) Breaks down                                                                                                                |
| 34 | When the graph of current versus voltage is a straight line, the device is referred to as<br>(a) Active (b) Linear (c) Nonlinear (d) Passive                                                                                                                      |
| 35 | The leakage current consists of minority-carrier current and<br>(a) Avalanche current (b) Forward current (c) Surface-leakage current (d) Zener current                                                                                                           |
| 36 | How much current is there through the second approximation of a silicon diode when it is reverse-biased?<br>(a) 0 (b) 1 mA (c) 300 mA (d) None of the above                                                                                                       |
| 37 | Norton's theorem replaces a complicated circuit facing a load by an<br>(a) Ideal voltage source and parallel resistor (b) Ideal current source and parallel resistor<br>(c) Ideal voltage source and series resistor (d) Ideal current source and series resistor |
| 38 | How many valence electrons does a silicon atom have?<br>(a) 0 (b) 1 (c) 2 (d) 4                                                                                                                                                                                   |
| 39 | An intrinsic semiconductor has some holes in it at room temperature. What causes these holes?<br>(a) Doping (b) Free electrons (c) Thermal energy (d) Valence electrons                                                                                           |
| 40 | Silver is the best conductor. How many valence electrons do you think it has?<br>(a) 1 (b) 4 (c) 18 (d) 29                                                                                                                                                        |
| 41 | What is the barrier potential of silicon diode at room temperature?<br>(a) 0.3 V (b) 0.7 V (c) 1 V (d) 2 mV per degree Celsius                                                                                                                                    |
| 42 | With VDB, an increase in emitter resistance will<br>(a) Decrease the emitter voltage (b) Decrease the collector voltage<br>(c) Increase the emitter voltage (d) Decrease the emitter current                                                                      |
| 43 | Base bias is associated with<br>(a) Amplifiers (b) Digital circuits (c) Stable Q point (d) Fixed emitter current                                                                                                                                                  |
| 44 | If the emitter resistor opens with the TSEB, the collector voltage will<br>(a) Decrease (b) Stay the same (c) Increase slightly (d) Equal the collector supply voltage                                                                                            |
| 45 | For dc, the current in a coupling circuit is<br>(a) Zero (b) Maximum (c) Minimum (d) Average                                                                                                                                                                      |
| 46 | A capacitor is<br>(a) A dc open (b) An ac short (c) A dc short and an ac open (d) A dc open and an ac short                                                                                                                                                       |
| 47 | The base-emitter voltage of an ideal transistor is<br>(a) 0 (b) 0.3 V (c) 0.7 V (d) 1 V                                                                                                                                                                           |
| 48 | Ignoring the bulk resistance of the collector diode, the saturation voltage is<br>(a) 0 (b) A few tenths of a volt (c) 1 V (d) Supply voltage                                                                                                                     |
| 49 | If a transistor operates at the middle of the load line, an increase in the base resistance will move the Q point<br>(a) Down (b) Up (c) Nowhere (d) Off the load line                                                                                            |
| 50 | A circuit with a fixed emitter current is called<br>(a) Base bias (b) Emitter bias (c) Transistor bias (d) Two-supply bias                                                                                                                                        |



**PAPER TYPE: C**

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

**PRE-INTERVIEW WRITTEN TEST FOR THE POST OF LECTURER ISLAMIC HISTORY, MALE & FEMALE (BPS-17)  
UNDER EDUCATION & LITERACY DEPARTMENT, GOVERNMENT OF SINDH.**

Friday the 05<sup>th</sup> April, 2013

Time: 03:00 pm to 04:00 pm.

Maximum marks: 100

**QUESTION PAPER**

**General Instructions to the candidates:**

- 01 Candidates are to attempt all questions.
- 02 Write your Roll No., Name, Father's Name & Centre on the answer Sheet within the space provided.
- 03 Do not write these data anywhere else on the answer sheet. Doing so will render the candidate disqualified.
- 04 Follow instructions on the answer sheet to mark your responses correctly. Answer carefully by filling one of the appropriate blank cells provided in the answer sheet with black or blue ball pen only.
- 05 Each incorrect answer will result in deduction of half mark ( $\frac{1}{2}$ ) mark.
- 06 Sign your answer sheet in space provided.
- 07 Return your Question paper & Answer sheet after attempting the Question paper.

**MOST IMPORTANT:- ANY CANDIDATE FOUND IN POSSESSION OF MOBILE PHONE OR ANY SIMILAR DEVICE IN THE EXAMINATION HALL WILL BE EXPELLED FROM THE EXAMINATION HALL. QUESTION PAPER IS PART OF ANSWER SHEET FOR ASSESSMENT PURPOSE. NO CANDIDATE IS ALLOWED TO CARRY QUESTION PAPER/ANSWER SHEET OUT OF THE EXAMINATION HALL.**

Q.No:

|    |                                                                                                                                                                                                                                                                                                 |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | Darul Hikmat was established in 1005 by the Fatimid caliph:<br>(A) Al-Hakim (B) Al-Aziz (C) Al-Zahir                                                                                                                                                                                            |
| 02 | Groundnuts are rich in Vitamin: (A) A. (B) B <sub>1</sub> (C) B <sub>2</sub>                                                                                                                                                                                                                    |
| 03 | The Umayyad dynasty fell in the year: (A) 755 A.D (B) 750 A.D (C) 748                                                                                                                                                                                                                           |
| 04 | Who was last ruler of Samas in Sindh: (A) Jam Feroz (B) Jam Karan (C) J                                                                                                                                                                                                                         |
| 05 | Which party was divided into Pre-changers and No-changers?<br>(A) Congress (B) Muslim League (C) Nationalist Muslims                                                                                                                                                                            |
| 06 | The name of 2 <sup>nd</sup> wife of Holy Prophet was:<br>(A) Umme-e-Salma (R.A) (B) Sauda (R.A) (C) Zainab (R.A)                                                                                                                                                                                |
| 07 | After the fall of Yarmuk the Muslims laid siege to:<br>(A) roman Empire (B) Hulwan (C) Jerusalem (D) Syria                                                                                                                                                                                      |
| 08 | Saljuk dynasty was established by: (A) Taghril Beg (B) Alp Arslan (C) Malik Shah                                                                                                                                                                                                                |
| 09 | Rainbow, one of the most enchanting phenomena, occurs when:<br>(A) There are sho (B) The rain is falling and sun is shining (C) The rain is stopped and sun is shining (D) None of the above                                                                                                    |
| 10 | Yahya Barmaki was wazir of: (A) Al Mahdi (B) Harun Rashid (C) Mamun                                                                                                                                                                                                                             |
| 11 | Sleeping sickness is caused by a: (A) Protozoan (B) Virus (C)                                                                                                                                                                                                                                   |
| 12 | The battle of Qadisiyyah was fought in the year: (A) 14 A.H (B) 15 A.H (C) 16 A.H                                                                                                                                                                                                               |
| 13 | The first revelation came to Holy Prophet in: (A) 610 (B) 615 (C) 618                                                                                                                                                                                                                           |
| 14 | Mirage is an optical phenomenon that arises from the _____ and _____ of _____ in unusual circumstances.<br>Mirages are seen chiefly in deserts or at sea where there is calm air that is either extremely hot or extremely cold.<br>(A) Density (B) Heat (C) Sand (D) Refraction (E) Reflection |
| 15 | Battle of Alexandria was fought in the year: (A) 610 A.D (B) 655 A.D (C) 660 A.D                                                                                                                                                                                                                |
| 16 | Who moved the resolution for establishing Muslim League?<br>(A) Nawab of Dacca (B) Nawab of Delhi (C) Nawab of Chittagong                                                                                                                                                                       |
| 17 | Hazrat Khadija the first wife of Holy Propheet (S.A.W) died in:<br>(A) 617 A.D (B) 619 A.D (C) 620 A.D                                                                                                                                                                                          |
| 18 | The battle of Jasar is generally known in the history as the battle of: (A) Namarraq (B) Hira (C) Bridge                                                                                                                                                                                        |
| 19 | Which was the Capital during time of Caliphate Ummayad in Spain?<br>(A) Cardova (B) Granada (C) Seville (D) Baghdad                                                                                                                                                                             |
| 20 | Al-Zahara was built by: (A) Abdul Rahman (B) Hisham (C) Hakam                                                                                                                                                                                                                                   |
| 21 | The title of book written by Ibn-e-Kathir in Islamic History is:<br>(A) Bidayat-ul-Mujtahad (B) Bidayah Wa Nehayah (C) Tareekh-ul-Islam (D) Al-Maghazi                                                                                                                                          |
| 22 | The grand mosque of Damascus was built by: (A) Sulaiman bin Abdul Malik (B) Walid bin Abdul Malik (C) Yazid-II                                                                                                                                                                                  |



|    |                                                                                                                                                                                                                         |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 23 | The honey that bees make is:<br>(A) Their colony's food supply (B) The food for the humans (C) The food for the queen (D) meant for human beings                                                                        |
| 24 | The real name of Al-Ghazali was:<br>(A) Muhammad bin Muhammad (B) Muhammad bin Ahmed (C) Ahmed bin Muhammad                                                                                                             |
| 25 | The pact of Najran was signed by:<br>(A) Muslims & Jews (B) Muslims & Christians (C) Muslims & Quraish                                                                                                                  |
| 26 | The battle of Yarmuk was a turning point in the history of:<br>(A) Syria (B) Jerusalem (C) Yarmuk                                                                                                                       |
| 27 | The fortress of Al-Hamra was built by:<br>(A) Ibn-ul-Ahmar (B) Abdullah Muhammad (C) Yousuf-I (D) Walid-I                                                                                                               |
| 28 | The Mosque of Cordova was founded by:<br>(A) Abdul Rehman (B) Hisham (C) Abi Amar                                                                                                                                       |
| 29 | Which Hindu leader refused to accept the first partition plan, which ultimately had to be amended according to that Hindu leader's wishes?<br>(A) Gandhi (B) Nehru (C) Raj Gopal Acharia                                |
| 30 | Berbers were the residents of:<br>(A) North Africa (B) Al-Andalus (C) Central Asia                                                                                                                                      |
| 31 | The tip of the tongue can best detect taste sensations that are:<br>(A) Sour (B) Acidic (C) Bitter (D) Sweet                                                                                                            |
| 32 | When Muslims attacked Spain, it was ruled by:<br>(A) Roderic (B) Raccared (C) Witiza                                                                                                                                    |
| 33 | Cooking is more difficult on the mountains because:<br>(A) The mountain atmosphere is very cool (B) The pressure is comparatively low<br>(C) The pressure is comparatively high (D) The fuel available is generally wet |
| 34 | Musa bin Naseer was responsible for the conquest of:<br>(A) North Africa (B) Spain (C) Persia                                                                                                                           |
| 35 | Which prophet is called Abu-al-anbiya:<br>(A) Hazrat Adam (AS) (B) Hazrat Nooh (AS) (C) Hazrat Ibrahim (AS) (D) Hazrat Muhammad (S.A.W)                                                                                 |
| 36 | Hazrat Umar (R.A) divided the Muslims Empire into:<br>(A) 4 Provinces (B) 8 Provinces (C) 9 Provinces                                                                                                                   |
| 37 | A blotting paper absorbs ink because of the:<br>(A) Superior quality of blotting paper (B) Inferior quality of the ink (C) Capillary action (D) Water element in the ink                                                |
| 38 | A book of Tazreeq-ul-Kubra is written by:<br>(A) Muhammad Bin Sa'ad (B) Ibn-e-Jareer Al Tabari (C) Ibn-e-Hajar (D) Ibn-e-Tamiyyah                                                                                       |
| 39 | Saljuk dynasty was established in:<br>(A) 1020 A.D. (B) 1031 A.D. (C) 1037 A.D. (D) 1039 A.D.                                                                                                                           |
| 40 | In Pakistan, Sul (Baluchistan) is world famous for its natural gas deposits and Makarawal is known for the coal mines but Kalat is famous for its:<br>(A) Sulphur deposits (B) Limestone (C) Iron deposits (D) Marble   |
| 41 | Tareekh-e-Maddun-e-Sindh is written by:<br>(A) Maulai Sheedai (B) Nabi Bux Baloch (C) Ghulam Rasool Mahar                                                                                                               |
| 42 | Which city receives highest amount of rainfall through monsoon is:<br>(A) Murree (B) Sialkot (C) Rawalpindi                                                                                                             |
| 43 | The Umayyad dynasty in Spain was:<br>(A) Hakam-II (B) Abdul Rahman-III (C) Hisham-III                                                                                                                                   |
| 44 | Hazrat Umar bin Abdul Aziz, the Abbasid governor of Sindh established the Habbari dynasty in Sindh?<br>(A) 5 A.H (B) 6 A.H (C) 7 A.H                                                                                    |
| 45 | For how many years, the persons of Bani Hashim remained confined in Shaib-e-Abi-Talib?<br>(A) Two years (B) Three years (C) Four years (D) five years                                                                   |
| 46 | Kufa and Basra were founded by:<br>(A) Khalid bin Walid (B) Muawiyah (C) Sa'ad bin Abi Waqas                                                                                                                            |
| 47 | Tareekh-ul-Khulafa is written by:<br>(A) Ibn-e-Seena (B) Jalaluddin Suyooti (C) Khateeb Baghdadi (D) Ibn-e-Qutaba                                                                                                       |
| 48 | The name of the Cripps Mission was made after Sir Stafford Cripps who was:<br>(A) The President of the Board of Trade. (B) Secretary of State. (C) Viceroy of India.                                                    |
| 49 | Hazrat Ali was elected Caliph in the year:<br>(A) 657 A.D (B) 656 A.D (C) 828 A.D                                                                                                                                       |

# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **PRE-INTERVIEW WRITTEN TEST FOR THE POST OF HEAD MASTER/HEAD MISTRESS BPS-17 IN EDUCATION & LITERACY DEPARTMENT, GOVERNMENT OF SINDH**

Wednesday the 14<sup>th</sup> May, 2014.

10:00 am to 12:00 Noon

Max marks: 40

### **ENGLISH GENERAL**

**NOTE: ATTEMPT ALL QUESTIONS. ALL QUESTIONS CARRY EQUAL MARKS.**

01 Write an essay of about 350 words on any one of the following topics:

- (i) Responsibilities of an ideal bureaucrat.
- (ii) Our Society needs more: Religious System/Modern Scientific Technology.
- (iii) A little virtue goes a long way.

02 Make a précis of the following passage and suggest a suitable heading:

Whether in public life or in private life, men have toiled throughout ages for the elixir of life. A little wisdom would have shown them its impossibility and its undesirability even if attainable. They wasted their whole lives to get nothing, merely adding little to the accumulated knowledge on the subject many of them without that satisfaction by dying with their secrets. We are men in ordinary life hating each other. If they would only pause a little and each examines himself, he would find that he is no better or no worse than the other man he considers his enemy and they could both be better off as friends than as enemies. Wisdom consists in shedding the objectionable parts in One's attitude and once this has happened there will be harmony and good will. In other words, wisdom is emancipation from the tyranny of narrow minded egotism, pardonable in a child in its helplessness but reprehensible in adults, and in developing impartiality. Is it possible? Yes, it is, and should be. Substitute understanding for hate and it is done. This is not a passive submission, but a passive non offensive resistance to evil, to achieve maximum effect with minimum effort.

03. Your school is facing acute shortage of teaching staff. Write a Demy Official letter to the Director School Education, requesting him for providing sufficient teaching staff.

04. Do as directed:

- (a) Give meaning and use in your own sentences.
  - (i) Look down upon (ii) To give oneself airs
- (b) Write antonyms of the following:
  - (i) Lackluster (ii) Harbinger
- (c) Give meaning of the following one-word substitutions:
  - (i) Phrenology (ii) Vivacious
- (d) Correct the following sentences:
  - (i) Aneela is famous for her womanish modesty
  - (ii) The Prime Minister consulted his confident about this important matter.
- (e) Give verbs of the following
  - (i) Glorious (ii) Noble

**THE END**



# **Sindh Public Service Commission, Hyderabad.**

## **Pre-Interview Written Test For The Post Of Planning Officer (Economic Wing)**

### **BPS-17 In Planning & Development Department, Government Of Sindh**

Wednesday the 10<sup>th</sup> June, 2015.

10:00 am to 01:00 pm

Max marks: 100

**Note: Attempt All Questions, All Questions Carry equal Marks.**

| Question No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Marks                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 01 Write an organized essay on any one of the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20                       |
| (i) A civil servant is a public servant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |
| (ii) Education is the only panacea to all the social evils present in our society today. Discuss.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                          |
| (iii) Black Money.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |
| (iv) Computer; its use and abuse.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                          |
| 02 Make a précis of the following passage and give it an appropriate heading:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20                       |
| <p>If by some magic you could be granted one quick wish, perhaps you might wish to be popular being popular means being liked by a lot of people instead of just a few close friends and that is a big wish. All the same you too can be well liked if you are willing to be on guard against the perils of popularity. Let us consider some of these, you cannot be polite and friendly to some and not to others without the word getting around as to what kind of person you really are, when you are considering other people take time to be friendly with the folks older than you are, your neighbours teacher parents and other relatives. If you treat them with respect. They are going to think of you as a likable person not as a good for nothing boy. And do not forget to be kind to the little kids too. Again you must think of others and consider their wishes. A majority wins, you know, and if you are out voted in the discussion of what to do and where to go, remember that being a good sport is another way to help your popularity. A good lover does not complain. When the plans do not go his way. At the same time do not be afraid that you are risking your popularity to stand up for what you think is right. It takes courage to say so and is appreciated.</p> |                          |
| 03 Write an application to the Secretary Excise & Taxation Department against the liquor shop in your area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20                       |
| 04 (a) Give meanings of any five of the following idioms / phrases and use in your own sentences:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10                       |
| (i) viva voice                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |
| (ii) No laughing matter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |
| (iii) A laconic speech                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |
| (iv) Yeoman's service                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          |
| (v) Point blank                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                          |
| (vi) A casting vote                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |
| (vii) Look down upon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                          |
| 04 (b) Do as directed any five of the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10                       |
| (i) My watch has been stolen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (Change the voice)       |
| (ii) I bought the baby a doll.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (Change the voice)       |
| (iii) We must listen to his words.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (Change the voice)       |
| (iv) He said to me, "I have often told you not to play with fire".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (Change the narration)   |
| (v) He said to him, "Please wait here till I return".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (Change the narration)   |
| (vi) What is in lunch?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (Correct the sentence)   |
| (vii) She is ____ M.A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (Insert correct Article) |

05 (a) Translate the following passage into Sindhi / Urdu. 10

Global warming has been a topic of debate most recently for environmentalists and politicians. However, it is an issue that concerns everyone on the planet. As a result of global warming, temperatures rising all over the world. This in turn is causing glaciers melting that we really see a pattern of global warming in the past 150 years. An example to portray this is that in 1850, Glacier National Park in the USA had 150 glaciers; in 2002 there were only 26.

05 (b) Choose any five of the following pairs of words. Define them and use them in 10 sentences of your own which bring out the difference in their meaning.

- (i) Special, Spatial
- (ii) Maize, Maze
- (iii) Medal, Meddle
- (iv) Imperious, Imperial
- (v) Allusion, Illusion
- (vi) Immunity, Impunity
- (vii) Auspicious, Suspicious.

\*\*\*\*\*The End\*\*\*\*\*

# **Sindh Public Service Commission, Hyderabad.**

## **Pre-Interview Written Test For The Post Of Social Welfare Officer / Deputy District Officer BPS-17 In Social Welfare Department, Government Of Sindh**

Thursday the 11<sup>th</sup> June, 2015.

10:00 am to 01:00 pm

Max marks: 100

---

**Note: Attempt All Questions, All Questions Carry equal Marks.**

---

| <b>Question No:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Marks</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 01 Write an organized essay on any one of the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20           |
| (i) The Charter of Medina – a code of law that can still provide an impetus to a pluralistic society.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |
| (ii) Menace of gender discrimination and its negative impacts on the social development.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |
| (iii) Cheating in Examinations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |
| (iv) First deserve, then desire.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |
| 02 Make a précis of the following passage and give it an appropriate heading:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20           |
| <p>Of all the characteristics of ordinary human nature, envy is the most unfortunate; not only does the envious person wish to inflict misfortune and do so whenever he can with impunity, but he is also himself rendered unhappy by envy. Instead of deriving pleasure from what he has, he derives pain from what others have. If he can, he deprives others of their advantages, which to him, is a desirable as it would be to secure the same advantages himself. If this passion is allowed to run riot, it becomes fatal to all excellence, and even to the most useful exercise of exceptional skill. Why should a medical man go to see his patients in a car then the labourer has to walk to his work? Why should the scientific investigator be allowed to spend his time in a warm room when others have to face the inclemency of the elements? Why should a man who possesses some rare talent of great importance to the world be saved from the drudgery of his own housework? To such questions, envy finds no answer. Fortunately, however, there is in human nature, a compensating passion, namely that of admiration. Whoever wishes to increase human happiness must wish to increase admiration and to diminish envy. What cure is there for envy? For the saint, there is the cure of selflessness, though even in the case of saints, envy of other saints is by no means impossible. But, leaving saints out of account, the only cure for envy in the case of ordinary men and women is happiness, and the difficulty is that envy is itself a terrible obstacle to happiness. But the envious man may say: 'What is the good of telling me that the cure for envy is happiness? I can not find happiness while I continue to feel envy, and you tell me that I cannot cease to be envious until I find happiness.' But real life is never so logical as this. Merely to realize the causes of one's own envious feeling is to take a long step towards curing them.</p> |              |
| 03 Write a letter to the Deputy Commissioner of your District, complaining about the recent illegal price hike in the local market.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20           |
| 04 (a) Change the narration. Do any five.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10           |
| (i) On Monday he said, "My son is coming today."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |
| (ii) They wanted to know where he was going the following week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| (iii) He said, "Did she go yesterday?"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |
| (iv) By God', he said, "I do not know her nickname."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |
| (v) He says that we are to meet him at the station.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |
| (vi) He said, "I don't know the way. Ask the old man sitting on the gate."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |
| (vii) He said, "how will you manage it?"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |

- 04 (b) Match the following words with their meanings and then use them in your own sentences: 10

| Words |          | Meanings                         |
|-------|----------|----------------------------------|
| (i)   | Arcane   | Barren                           |
| (ii)  | Vagabond | a loud noise                     |
| (iii) | Effete   | Mysterious                       |
| (iv)  | Abrogate | End a law or agreement           |
| (v)   | Whining  | Having no fixed place to live in |

- 05 (a) Punctuate the following passage. 10

Having parked the car at a supermarket I walked about half a mile to get this jumble of low buildings that sit in a beautiful green field with a little lake in the middle arrows indicate directions over there are institutions that seemingly disconnected are complimentary if you stop to think about it: the hospital ward for the elderly and a mental hospital the latter is in a beautiful building from the early twentieth century where psychiatrist nurses psychologists psycho therapists from all over Europe graduate.

- 05 (b) Correct only five of the following sentences: 10

- (i) This house is built of bricks and stones.
- (ii) The climate of Pakistan is better than England?
- (iii) He swore from God.
- (iv) Have either of you seen my pen?
- (v) My friend is very ill; I hope he will soon die.
- (vi) If he was here now, we should have no difficulty.
- (vii) The concerned officer was not present at the time of the incident.

\*\*\*\*\*The End\*\*\*\*\*



# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMBINED COMPETITIVE EXAMINATION, 2013.**

### **ENGLISH GENERAL.**

**Tuesday the 07<sup>th</sup> April, 2015**  
**Time: 02:00 pm to 05: 00 pm**

**Maximum marks: 100**

---

**Note: ATTEMPT ALL QUESTIONS. ALL QUESTION CARRY MARKS.**

---

#### **QUESTION No:**

01 Write an organized essay on any one of the following:

- (i) My Dream of a Better Pakistan.
- (ii) Bureaucracy and Good Governance.
- (iii) The ultimate Message of Holy Quran.

02 Make a Précis of the following passage and give it an appropriate heading:

First, I would convey the idea to my students that the class is their platform for learning, which they do best by putting ideas into action, at least in the form of discussion and intellectual problem-solving; I would convince them that they need to interact with one another, practice what they learn with one another, and share knowledge and inspire one another. I would give problems to groups rather than to individuals; for instance, I would let groups to summarize a difficult essay in their own language by letting them first discuss the meaning of the essay, then draft parts of the essay, then merge them together, then pass the combined draft around to make sure everyone agrees whether the full draft covers all the key points of the essay, whether the draft is easy to understand, and so on. I would gradually increase the amount of time students spend on group work, while gradually teaching them how to work collaboratively in effective manners; for example, I would start by asking students to discuss a given problem in groups and let one member each report to class what they discussed but as they learn to work as groups I would let them come up with problems that they decide as significant as groups and then discuss solutions, thereby letting them decide how to manage limited class time. Since there is no privilege of information technology, I would assign tasks at the end of the class and give them five or ten minutes to plan and divide work for the next class meeting; I would let students write down their plans and track their progress if there is anything that runs into multiple class periods.

03 Write an application to the Chief Secretary of your province to grant you age relaxation on the basis of suitable reasons.

**OR**

Write a letter to the District Magistrate of your area, complaining about a picture house or a theatre near your house.

04 (A) Give meaning of and use in your own sentences any Five of the following Idioms/Phrases.

- (i) Better down the hatches; (ii) Take a bath (iii) Bat your eyes;
- (iv) In camera (v) Collect one's thoughts; (vi) Get cracking;
- (vii) A cut above something (viii) Bring something into effect
- (ix) A far cry from something

**P.T.O**

- (B) Do as directed (Choose any five):
- (i) It is done (Change the voice) --
  - (ii) She said to me, "NO". (Change the narration)
  - (iii) Did you write the letter \_\_\_\_\_ ink? (Insert correct preposition)
  - (iv) I didn't get the meal because I had stopped my cook not to make it.  
(Correct the sentence)
  - (v) She prefers winter than summer for her outings and picnics.  
(Correct the sentence)
  - (vi) They were informed not to mess up with their seniors anywhere.  
(Change the narration)
  - (vii) I would see you if I had used my glasses.  
(Correct the conditional clause)
  - (viii) He asked me will I be ready to help him. (Correct narration).

- (C) Below are the groups of spellings commonly miss spelt . Choose the correct one and use in your own sentence (Do any Five)

- |       |                   |                  |                   |                   |
|-------|-------------------|------------------|-------------------|-------------------|
| (i)   | (a) Acquiese      | (b) Acquiesce    | (c) Acquisce      | (d) Acqusce.      |
| (ii)  | (a) Kaliedoscope  | (b) Kaleidoscope | (c) Kaliedioscope | (d) Kalederscope  |
| (iii) | (a) Bizzarre      | (b) Bizzare      | (c) Biezarree     | (d) Bizarre       |
| (iv)  | (a) Infinitesimal | (b) Infintesimal | (c) Infintesemal  | (d) Infintiesimal |
| (v)   | (a) Beseege       | (b) Beceege      | (c) Bescedge      | (d) Besiege       |
| (vi)  | (a) Manocuvre     | (b) Manoeuvre    | (c) Maneuver      | (d) Moneouvre     |
| (vii) | (a) Detriorate    | (b) Deteriorate  | (c) Detereorate   | (d) Detteriorate  |

- (D) Correct any five of the following sentences:
- (i) I would rather you come tomorrow.
  - (ii) Inspite he smokes twenty cigarettes a day, he seems quite healthy.
  - (iii) A bird flew in the room through the window.
  - (iv) Why you are still in bed? It's time you get up.
  - (v) Do you hear that music next door? It voices as if they are having a party, doesn't it?
  - (vi) He lost control of the car and crashed on the wall.
  - (vii) We were all horrifying when we heard about the disaster.
  - (viii) I don't want to go out tonight in case she will call.

- 05 (A) Choose any five of the following pair of words, define them and use them in your own sentences:

- |                             |                              |
|-----------------------------|------------------------------|
| (i) Depository ; depository | (ii) Ingenious, ingenuous    |
| (iii) Loath, Loathe         | (iv) Observation, Observance |
| (v) Reverend, Reverent      | (vi) Specious, Spacious      |
| (vii) Veracity, Voracity    | (viii) Cereal, Serial        |
| (ix) Broach, Brooch         | (x) Flagrant, Fragrant       |
| (xi) Immunity, Impunity     | (xii) Negligent, Negligible  |

- (B). Use any five of the following words followed by appropriate prepositions in your own sentences:

- |                 |                       |                  |                    |
|-----------------|-----------------------|------------------|--------------------|
| (i) Account for | (ii) Accompanied with | (iii) Confide in | (iv) Comply with   |
| (v) Leave for   | (vi) Put up with      | (vii) Look to    | (viii) Meddle with |
| (ix) Live by    | (x) Pick at.          |                  |                    |

\*\*\*\*\*

# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMBINED COMPETITIVE EXAMINATION, 2013.**

### **GENERAL KNOWLEDGE INCLUDING EVERYDAY SCIENCE**

Thursday the 09<sup>th</sup> April, 2015

Time: 10:00 am to 01: 00 pm

Maximum marks: 150

---

NOTE: ~~Attempt 08 questions~~, Question No:01 & 02 are compulsory , total Number of questions attempted should not exceed 150 marks.

---

| <b><u>QUESTION NO:</u></b>                                                                                                                                                                                                                                                                                                                                                                                        | <b><u>MARKS.</u></b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 01 Write short essay (500-600 words) on the national Action Plan (2015).<br>Your answer should address the following points:<br><br>(a) Who proposed this plan?<br>(b) How and where it was presented?<br>(c) Aims and objectives of this plan.<br>(d) Role of Provincial Governments in this plan.<br>(e) Implementation of this plan (NAP).<br>(f) Expected outcome of NAP.                                     | 40                   |
| 02 Write a short note on the probable progress and change in Indo-Pakistan's stalled process of dialogue due to BJP's attitude of arrogant indifference. Pakistan expects that all matters would be on the table for discussion including Jammu and Kashmir dispute, Siachin, Water issues, confidence building measures. How do you fore see a positive prognosis/ or outcome out of this impasse and dead lock? | 30                   |
| 03 Write new names against each of the following places:<br>(a) Ceylon (b) Burma (c) Cambodia (d) Peking<br>(e) Bombay (f) Nawabshah (g) Montgomery (h) Lyallpur<br>(i) Jhatpat. <i>J) Ichang</i>                                                                                                                                                                                                                 | 10                   |
| 04 Write a brief history of the following:<br>(a) ASEAN (b) EU (c) WTO.                                                                                                                                                                                                                                                                                                                                           | 10                   |
| 05 Discuss the historical background of Indus Water Treaty and its impact on water dispute between India and Pakistan.                                                                                                                                                                                                                                                                                            | 15                   |
| 06 Briefly explain any Five of the following:<br>(i) Symbiosis (ii) Renaissance (iii) OPEC<br>(iv) Light year (v) Treaty of Hudaybia<br>(vi) Psychiatry and Psychology (vii) Monkey Puzzle (viii) Genetics                                                                                                                                                                                                        | 25                   |
| 07 Name the capitals of the following countries:<br>(i) Monaco (ii) Hungary (iii) Panama (iv) Ghana (v) Peru<br>(vi) Fiji (vii) Libya (viii) Australia (ix) Brazil (x) Argentina.                                                                                                                                                                                                                                 | 10                   |

**P.T.O**

- 08 Name the Authors of the following Books: 10
- (i) My life (ii) JINNAH. India-Partition-Independence.  
 (iii) Waiting for Allah (iv) Sindh Through the Centuries (v) NEHRU  
 (vi) Treasure Island (vii) The Making of Modern Sindh.  
 (viii) Clash of Civilization and Remaking of the World order.  
 (ix) War and Peace (x) The Spirit of Islam.

- 09 Write brief notes on any Five of the following topics: 25
- (i) Ludwig Van Beethoven. (ii) Boston Tea Party (iii) Aborigines.  
 (iv) Methodists. (v) NASA (vi) Morse Code  
 (vii) Marie Antoinette (viii) Continental Drift (ix) Wright Brothers.

- 10 (a) Match the following: 10

| List No: 01<br>Country Name | List No: 02<br>King/Queen/President/Prime<br>Minister/ G.G. |
|-----------------------------|-------------------------------------------------------------|
| 01 Afghanistan              | 01. Queen Margaret                                          |
| 02. Australia               | 02. Joko Widodo                                             |
| 03. Brazil                  | 03. Shinzo Abe                                              |
| 04. Denmark                 | 04. Salman Abdul Aziz                                       |
| 05. Indonesia               | 05. Nicolas Maduro                                          |
| 06. Japan                   | 06. Edgar Lungu                                             |
| 07. Saudi Arabia            | 07. Dilma Rouseff                                           |
| 08. Venezuela               | 08. Peter Cosgrove                                          |
| 09. Zimbabwe                | 09. Robert Mugabe                                           |
| 10. Zambia                  | 10. Ashraf Ghani                                            |

- (b) Define the following abbreviation stand for what Organization/Institutions. 10

- (i) APP (ii) PTI (iii) HRW (iv) HRCP  
 (v) UNESCO (vi) UNICEF (vii) AFP (viii) NRP  
 (ix) UNHCR (x) U.N.R.W.A

- 11 (a) The British conquered Sindh in 1843 A.D. Who were the native rulers of Sindh before the British; describe them briefly in chronological order starting with the Muslim advent, the conquest and rule in 712 A.D. with Muhammad Bin Qasim. 10

- (b) Names of the countries and its location having the following capitals; 10  
 please find out:

- (i) Libreville  
 (ii) Banjul  
 (iii) Nouakchott  
 (iv) Port Louis  
 (v) Santo Domingo  
 (vi) Santa Fe de Bogota  
 (vii) N'djamena  
 (viii) Canberra  
 (ix) Gaborone  
 (x) Dublin

\*\*\*\*\*

# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMBINED COMPETITIVE EXAMINATION, 2013**

### **HISTORY OF SINDHI LITERATURE.**

Friday 10<sup>th</sup> April, 2015

Time: 03:00 pm to 06: 00 pm

Maximum marks: 150

**NOTE: Attempt any Five Questions. All questions carry equal marks.**

سوال نمبر 1؛ سنڌي لوڪ ادب لاءِ ڊاڪٽر نبي بخش بلوچ جون ٻي شمار خدمتون ڪيل آهن. ڪتابن مان مثال ڏيئي واضع ڪريو.

سوال نمبر 2؛ ڪنهن به هڪ اديب جي ادبي خدمتن تي نوٽ لکو.

(i) ڊاڪٽر گربخشاڻي (ii) ڊاڪٽر غلام علي الانا

(iii) محمد عثمان ڊيپلائي (iv) آغا سليم (v) الطاف شيخ

سوال نمبر 3؛ ڀيرو مل مهر چند آڏواڻي سنڌي ٻولي جي تاريخ لکڻ وارن پهرين عالمن مان هڪ هو، سنڌي ٻولي ۽ ادب لاءِ ڪيل سندس خدمتن جو تفصيلي جائزو وٺو.

سوال نمبر 4؛ ميين شاه عنات رضويءَ جي ڪلام جو شاه لطيف جي ڪلام تي گهرو اثر آهي، مثالن سان جائزو پيش ڪريو.

سوال نمبر 5؛ آتم ڪهاڻي ۽ سوانح نگاريءَ ۾ ڪهڙو فرق آهي؟ مثالن ذريعي تفصيلي جائزو پيش ڪريو.

سوال نمبر 6؛ هيٺين مان ڪنهن به هڪ ڪتاب جو تنقيدي جائزو پيش ڪريو.

(i) پٽ جو شاه

(ii) ادب جا فڪري محرڪ

(iii) سنڌي ادب جو تنقيدي اڀياس

(iv) ڪٿي نه پڇبو ٿڪ مسافر

سوال نمبر 7؛ سنڌي ادب جي ارتقائي تاريخ بيان ڪريو.

سوال نمبر 8؛ سنڌي ۾ ناول نوسيءَ جي تاريخ تي روشني وجهو ۽ ٻڌايو ته زينت ناول ڪهڙي ليکڪ جو لکيل آهي.

سوال نمبر 9؛ شاه لطيف انسانيت جو علمبردار آهي. دليلن سان واضح ڪريو.

ختم شد



# SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

## COMBINED COMPETITIVE EXAMINATION, 2013

### GENERAL PAPER IN SINDHI.

Wednesday the 08<sup>th</sup> April, 2015

Time: 02:00 pm to 05: 00 pm

Maximum marks: 100

NOTE: Attempt any Five Questions. Question No.(06) is Compulsory. All questions carry equal marks.

سوال نمبر 1: هيٺ ڏنل عنوانن مان ڪنهن به هڪ تي سهڻي سنڌي ۾ جامع مضمون لکو.

(i) سچل سرمست جي شاعري ۾ سرمستي.

(ii) پاڪ - ڀارت لاڳاپا.

(iii) ترقي پسند تحريڪ سنڌي ادب ۾ نئون روح ڦوڪي ان کي پرواز جي قوت عطا ڪئي.

(iv) سنڌي افسانوي ادب سنڌي سماج جو ترجمان آهي.

(v) سنڌي ادب ۾ تنقيد جو معيار.

سوال نمبر 2: شاه عبداللطيف ڀٽائي جي شاعري ۾ تمثيل جو استعمال ٿيل آهي. مٿين راءِ تي پنهنجا ويچار ونديو.

سوال نمبر 3: هيٺين مان ڪن به پنجن بيتن جي سمجهاڻي ڏيو.

(i) پهرين پاڻ وڃاء، پاڻ وڃائي هو، له.

(ii) سڀئي جوڀن ڏيهه، جڏهن سڄڻ سفر هليا.

توهان ڌار نه سڀرين، منهن منجههين پاء.

مونکي ڇاڙهي ڇي، وٺو وٺجارو اوهرِي!

(iii) مُٺ مُٺ سُورن سڀڪهين، مُون وٺ وٺائين.

(iv) دَهشتَ دم درياه ۾، جت ڪنن جا ڪڙڪا.

پريُون ڪٺو پٺان، وٺا وهائون نڪري.

سهي ڪين سمونڊ جا، ماندي دل ڌڙڪا.

ساهڙ! تون سڻ ڪا، فريادي فقير جي.

(v) عارف ۽ عشاق، پسڻ گهرن پري جو.

(vi) گوندر گهمي جا لهان، تان سُڪ سوين ساڙيان.

آءُ پڻ ڪيئن پاڙيان، ڏک سڪن سان سرتيون.

(vii) هڪ سفر ساعت، ٻيو سفر سال جو،

پهرين تان راحت، پويون تا پوءِ رهيو.

سوال نمبر 4 (الف): هيٺ ڏنل اصطلاحن مان ڪن به پنجن جي وضاحت ڪري جملن ۾ ڪتب آڻيو.

(i) ڦڪا ڳنا چوسڻ.

(ii) هٿ هٿ تي رکي ويهڻ.

(iii) وات ۾ مڱ پوڻ.

(iv) پنهنجي پير تي پاڻي ڪهاڙو هڻڻ.

(v) ڏاڙهي ٻئي جي هٿ ۾ ڏيڻ.

(vi) پنگ پڳڙو ڪرڻ.

(vii) ڏهل ڳچي ۾ پائڻ.

(viii) چاچي به ڪوڻڻ جهنڊڙي به پائڻ.

(ب) هيٺين پهالڪن ۽ چوڻين مان ڪن به پنجن جي سمجهاڻي ڏيو.

(i) نيڪي برباد گناه لازم.

(ii) مروان موت ملوڪان شڪار.

(iii) اندر ڪارو ڪانء، ٻاهر ٻولي هنج جي.

(iv) اچي پگ مَ پَس، اندر مڙيئي اڱڙيون.

(v) تر جي گتي سو چوڻون کائي.

(vi) ماءُ چڻيندي پٽڙا، بخت نه ڏيندي ونڊي.

(vii) اهو ڪهڙو وڻ جنهن کي واءُ نه لوڏيو.

(viii) همتِ مردان مدد خدا.



سوال نمبر 5؛ هيٺين بيتن مان ڪي ٻه پنج مڪمل ڪريو.

(i) -----  
پلئ پاتو سڄ، آچيندي لڄ مران.

(ii) -----  
سرنسريا پاند، اتر لڳا، آءُ پرين!

(iii) -----  
سوئي ڏيو ٻار، جو نه اجهامي ڪڏهين.

(iv) -----  
اڳيئي اڻ هوند، ويتر جهرين جهوپڙيون.

(v) -----  
پيئي جا پريات، ساماڪ نه پائيو ماڻهئا.

(vi) -----  
مورڪ مور نه بجهئا، هيڏانهن هو ڏانهن ڪن.

(vii) -----  
تنهنجو ڏيه ڏڪاريل، جنهن ۾ ناهي قرب ڪئي!

سوال نمبر 6 هيٺين فقري جو سولي سنڌيءَ ۾ ترجمو ڪريو.

I only knew that, daily in the middle of the night, some one seems to wake me up from my sleep and I pick up the pen to write, and keep writing till the break of dawn. Before one line is completed, another becomes restless to be written. And all this time, I have no opportunity to think or understand. Even during serious illness, when doctors left after putting me to sleep with sleeping pills, I would wake up at usual time at night. To avoid attracting attention, I would continue writing till day break. Though writing would be uneven and words jumbled up.

ختر شد

# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMBINED COMPETITIVE EXAMINATION, 2013 .**

### **ISLAMIC HISTORY PERIOD-I**

Friday the 10<sup>th</sup> April, 2015

Time: 10:00 am to 01: 00 pm

Maximum marks: 150

---

NOTE:        **Attempt any Five questions, selecting at least Two questions from each Section. All Questions carry equal marks.**

---

#### **QUESTION NO:**

#### **SECTION-I**

- 01     Write a note on the hardness and perplexity faced by Holy Prophet (SAWS) from the day of revelation till his age of 53 years.
- 02     The period of Haroon and Mamoon is called 'The Golden Period' so for their administrations are concerned. Define fully.
- 03     Review the Judicial System under the Caliphate of Hazrat Umar Farooque (R.A)
- 04     Estimate the character of Hazrat Ali (R.A) as a great statesman.

#### **SECTION-II**

- 05     Discuss about the 'Trickery' , 'Wit' and 'Cleverness' of Abu-Muslim Khurasani.
- 06     Write down a detailed note on the "Causes of the Fall of Umayyad Dynasty".
- 07     Write short notes on any Two of the following:
  - (i)     Hazrat Abdullah Bin Zubair (R.A)
  - (ii)    Tarique Bin Ziyad.
  - (iii)   Abdul Rehman al-Dakhel

\*\*\*\*\*

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

**COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR  
THE POSTS OF ASSISTANT ENGINEER/ASSISTANT EXECUTIVE ENGINEER  
(CIVIL) BPS-17**

**English (Including Essay & Précis )**

Thursday the 17<sup>th</sup> March, 2011

Time: 10:00 am to 1:00 pm.

Max marks: 100

---

**NOTE:** Attempt all questions . All questions carry equal marks:

---

**QUESTION NO:**

**01 Write an essay of not more than 150 words on any One of the following topics:**

- (i) Responsibilities of a good citizen.
- (ii) The Architecture of Moen-jo-Daro.
- (iii) Independence of Judiciary and Social Justice
- (iv) Islam and Terrorism.

**02 Make a précis of the following passage and give it an appropriate title:**

Engineers use their knowledge of science, mathematics, logic, economics, and appropriate experience or tacit knowledge to find suitable solutions to a problem. Creating an appropriate mathematical model of a problem allows them to analyze it (sometimes definitively), and to test potential solutions. Usually multiple reasonable solutions exist, so engineers must evaluate the different design choices on their merits and choose the solution that best meets their requirements. Genrich Altshuller, after gathering statistics on a large number of patents, suggested that compromises are at the heart of "low-level" engineering designs, while at a higher level the best design is one which eliminates the core contradiction causing the problem. Engineers typically attempt to predict how well their designs will perform to their specifications prior to full-scale production. They use, among other things: prototypes, scale models, simulations, destructive tests, nondestructive tests, and stress tests. Testing ensures that products will perform as expected. Engineers as professionals take seriously their responsibility to produce designs that will perform as expected and will not cause unintended harm to the public at large. Engineers typically include a factor of safety in their designs to reduce the risk of unexpected failure. However, the greater the safety factor, the less efficient the design may be. The study of failed products is known as forensic engineering, and can help the product designer in evaluating his or her design in the light of real conditions. The discipline is of greatest value after disasters, such as bridge collapses, when careful analysis is needed to establish the cause or causes of the failure.

**03 Write a letter to any donor agency (USAID) immediately to come for your help as you are an IDP living in flood affected area.**

**04 Do as directed (Choose any ten)**

- (i) Are you travelling to Paris \_\_\_\_\_ business or \_\_\_\_\_ holiday?  
(Choose correct Preposition)  
(A) for (B) on (C) to (D) in
- (ii) Have you read the article \_\_\_\_\_ Time magazine \_\_\_\_\_ Google?  
(Choose correct set of Prepositions)  
(A) on- on (B) to - on (C) in-on (D) from -on

P. T. O.

- (iii) I stayed \_\_\_\_\_ the Ritz Hotel \_\_\_\_\_ my stay in New York.  
(Choose correct set of Prepositions)  
(A) in – to (B) to – while (C) at- while (D) at – during
- (iv) After practice, the girl's softball team stated, "We're famished!" Famished means  
(A) Fatigued (B) Hungry (C) Excited (D) Ready
- (v) The newborn baby was enamored with the rattle. Enamored means:  
(A) Fascinated (B) Happy (C) Unsure what to do (D) Aggravated
- (vi) When having a problem, it is best to dissect the situation then act. Dissect means.  
(A) Control (B) Discuss (C) Ignore (D) Analyze.

**Choose the correct response for each of the sentences**

- (vii) If she hadn't told him, he \_\_\_\_\_  
(A) will never find out (B) would have never found out (C) did not find  
(D) will have found.
- (viii) I \_\_\_\_\_ this if you hadn't asked me.  
(A) would never have done (B) didn't do (C) will not do  
(D) shall be doing.
- (ix) If I \_\_\_\_\_ about this, I would have told you.  
(A) know (B) had known (C) knew (D) had been known.
- (x) If they \_\_\_\_\_ to rest, they would not have been so tired.  
(A) have stopped (B) had stopped (C) will stop (D) stopped
- (xi) I \_\_\_\_\_ that he's 38 years old if he hadn't told me.  
(A) wouldn't have guessed (B) didn't guess (C) will not guess  
(D) am guessing

**Choose the best way to complete these Passive Voice sentences:**

- (xii) The bottle \_\_\_\_\_  
(A) should not being shaken (B) should not been shaken (C) should not been  
being shaken (D) should not be shaken.
- (xiii) He \_\_\_\_\_ in a cross fire.  
(A) was shotted (B) was shot (C) was shoot (D) was be shooting.

**Finish the sentences using appropriate Reported speech. Always change the tense, although it is sometimes not necessary.**

- (xiv) Andrew: "Clean the blue bike!" Andrew told me:  
(A) that I clean the blue bike (B) To clean the blue bike  
(C) To have cleaned the blue bike (D) That I cleaned the blue bike.
- (xv) Sabrina: "I met Sabir at the station!" Sabrina told me.  
(A) that she had met Sabir at the station (B) That he met Sabir at the station  
(C) That she would meet Sabir at the station (D) That I met Sabir at the station.

**05 Translate into Urdu or Sindhi**

The most remarkable feature of the political life of Arabia before Islam was the total absence of political organization in any form. With the exception of Yemen in the south-west, no part of the Arabian peninsula had any government at any time, and the Arabs never acknowledged any authority other than the authority of the chiefs of their tribes. The authority of the tribal chiefs, however, rested, in most cases, on their character and personality, and was moral rather than political.

The modern student of history finds it incredible that the Arabs lived, generation after generation, century after century, without a government of any kind. Since there was no government, there was no law and no order. The only law of the land was lawlessness. In the event a crime was committed, the injured party took law in its own hands, and tried to administer "justice" to the offender. This system led very frequently to acts of horrendous cruelty.

\*\*\*\*\*

# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR THE POSTS OF ASSISTANT ENGINEER/ASSISTANT EXECUTIVE ENGINEER (CIVIL) BPS-17**

### **Pakistan Studies & Islamiat / Ethics**

Friday the 18<sup>th</sup> March, 2011  
Time: 10:00 am to 01:00 pm.

Max marks: 100

---

NOTE: All the candidates are to attempt any five questions selecting three questions from Section-I. The remaining two questions are to be attempted by Muslim candidates from Section-II and Non-Muslim candidates from Section-III. All questions carry equal marks.

---

QUESTION NO:

### **SECTION-I (PAKISTAN STUDIES)**

- 01 Discuss the salient features of constitution of Pakistan 1956
- 02 Explain the causes for partition of Bengal and its impact on the Muslims of India.
- 03 What was Allama Iqbal's concept of a Muslim homeland?
- 04 Discuss role of Sindh in Pakistan Movement.
- 05 What is the importance of Agricultural Sector in the economy of Pakistan?

### **SECTION-II (ISLAMIAT)**

- 06 Elucidate the following:  
"You are the best community that hath been raised up for mankind. Ye enjoin right conduct and forbid indecency, and ye believe in ALLAH".
- 07 Discuss in detail the attitude of Islam towards Science.
- 08 Define the term "Nabuwwat" and discuss in detail the finality of Prophet hood in Islam.
- 09 Give an account of women status in ancient, modern and Islamic civilization with reference to history and Islamic teachings.

### **SECTION-III (ETHICS)**

- 10 Explain Epicurean theory of Ethics?
- 11 Explain relationship between Ethics and Philosophy?
- 12 How the life of Socrates was corresponding to his ethical teaching?
- 13 How would you differentiate the Ethics and Religion?

\*\*\*\*\*

# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR THE POSTS OF ASSISTANT ENGINEER/ASSISTANT EXECUTIVE ENGINEER (CIVIL) BPS-17**

### **Designs of Hydraulic Structures.**

Monday the 21<sup>st</sup> March, 2011

Time: 02:00 pm to 05:00 pm.

Max marks: 100

NOTE: Attempt any 05 questions .

| QUESTION NO:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MARKS    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 01 Draw a neat and clean sketch of a cross regulator, showing pond level on upstream side and no flow on downstream side. Show that how kinetic energy is dissipated through a hydraulic jump.                                                                                                                                                                                                                                                                                                                                                                                                                               | 20       |
| 02 What is meant by gravity dam? What are the main points to be considered while selecting a site for a gravity dam construction? Explain briefly with neat sketches the different forces acting on a gravity dam, indicate their magnitudes, directions and locations.                                                                                                                                                                                                                                                                                                                                                      | 20       |
| 03 (a) What are the main causes which create the silt trouble in storage reservoirs<br>(b) Draw a neat sketch indicating the salient dimensions of the weir and bund section, and work out the length of the weir required with the following given data:<br>Combined catchment area A = 26 sq.km.<br>Intercepted catchment area a = 20 sq. km.<br>Maximum water level = +7.50 (m)<br>Full Reservoir level. = +6.70<br>Ground level. = +5.80<br>Reservoir bund level. = +1.80<br>Slope on either side of bund = 2 : 1<br>Ryve's coefficient for combined catchment $C_1$ = 9.0<br>Ryve's coefficient intercepted $C_2$ = 1.8 | 06<br>14 |
| 04 (a) What precautions are usually taken in the design of Earth dam against wave wash and rainfall impacts?<br>(b) Draw a typical cross-section of an Earth dam showing stone revetment, filter material, key trench, launching apron and a filter toe.                                                                                                                                                                                                                                                                                                                                                                     | 10<br>10 |
| 05. (a) Explain Merits and Demerits of different types of Canal linings.<br>(b) A lined canal has a full supply capacity of 30 cumecs. It will be lined with two layers of brick liming in cement mortar. The slope of the country is very steep and the canal will be aligned with hydraulic slope of 1:5000. The canal will have a trapezoidal section with side slopes at 1 : 1. Design the canal section when $B = D$ .                                                                                                                                                                                                  | 06<br>14 |

**P.T.O.**



06. A distributary canal is to be crossed a branch canal, prepare hydraulic design of an aqueduct with the following data. 20

| Parameters            | Branch Canal    | Distributary    |
|-----------------------|-----------------|-----------------|
| Full supply discharge | 20 cumecs       | 10 cumecs       |
| Bed width             | 18.3 m          | 13m             |
| Full supply level     | 106.90          | 109.05          |
| Bed level.            | 104.90          | 107.71          |
| Slope                 | 1:6666          | 1:6666          |
| Mean velocity         | 0.64 m/s        | 0.61 m/s        |
| Angle of crossing     | 90 <sup>0</sup> | 90 <sup>0</sup> |

07. A canal is crossing a stream under siphoned condition. Design a siphon with following data. 20

**Stream**

Discharge  $Q = 12.33$  cumecs.

Highest flood Level = 475.58 (at the point of crossing)

Bed width,  $B = 30$ m

**Canal**

$Q = 2.5$  cumecs

$V = 0.58$  m/s

$n = 0.0225$  (unlined)

Bed level = 474.70

B.W. = 1.95 m

Full supply depth = 1.30 m

Free board = 0.46 m

Hydraulic slop = 1:4,000

8. (a) Describe open well irrigation system. What are the methods to be applied for increasing yields of open wells? 10
- (b) Design the size (diameter) of an open well for a discharge of 3.5 l/s with an infiltration head of 3 m and  $s = 7.5 \times 10^{-12}$  10

\*\*\*\*\*

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

**COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR  
THE POSTS OF ASSISTANT ENGINEER/ ASSISTANT EXECUTIVE ENGINEER  
(CIVIL) BPS-17**

**Roads and Building Engineering**

Saturday the 19<sup>th</sup> March, 2011  
Time: 02:00 pm to 05:00 pm.

Max marks: 100

---

NOTE: Attempt any 05 questions . All questions carry equal marks.

---

**QUESTION NO:**

- 01 Explain road survey and its types, also discuss in detail different elements of a typical x-section of road.
- 02 In highly water logged areas what type of precautions are made to ensure performance of road. Discuss your answer with reference to material and methods of construction.
- 03 What is the role of civil engineer in building construction? Draw a flow diagram of important duties of civil engineer during construction of a commercial building.
- 04 Explain with procedure the methods of concreting in horizontal and vertical members.
- 05 (a) What do you know about Highway Engineering? Outline the aspects of highway planning.  
(b) How a highway alignment would be ideal? Discuss briefly the engineering surveys needed for setting a new highway alignment.
- 06 Why super elevation is provided?  
Design a Transition curve for a national highway passing through a plain terrain if the radius of a curve is a minimum ruling radius.
- 07 (a) Explain the objects of traffic engineering & its necessity in current traffic problems.  
(b) What are the main causes of accidents & their remedies?
- 08 (a) Being a civil engineer what tests you would suggest to be carried out for fresh concrete during construction of site. Explain briefly.  
(b) Explain the methods of transporting concrete.

\*\*\*\*\*

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

**COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR THE POSTS OF ASSISTANT ENGINEER/ASSISTANT EXECUTIVE ENGINEER (CIVIL) BPS-17**

**Irrigation and Drainages**

Monday the 21<sup>st</sup> March, 2011

Time: 10:00 am to 01:00 pm.

Max marks: 100

NOTE: Attempt any 05 questions.

| QUESTION NO:                                                                                                                                                                                                                                                                                                                                                                                                     | MARKS    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 01 Describe the role of water infra-structure in managing sustainable flow of water in rivers and how it helps in facing the problems of Flood disasters and water scarcity management.                                                                                                                                                                                                                          | 20       |
| 02 After how many days will an irrigator supply water to soil (clay loam) in order to ensure sufficient irrigation of a given crop if:<br>(i) Field Capacity (FC) =27%<br>(ii) Permanent Wilting Point (PWP) =14%<br>(iii) Specific Weight of Soil ( $\gamma$ ) =1.5 g / cm <sup>3</sup><br>(iv) Effective Depth of root zone (d) =75cm<br>(v) Consumptive use of crop (Cu) =11mm/day<br>(vi) Depletion (p) =80% | 20       |
| 03 (a) What is meant by "Drainage coefficient" and how does it help in determining the sizes of tile drains?<br>(b). Determine the size at the outlet of a 6 hectare drainage system, if the Drainage Coefficient is 1 cm and the tile grade is 0.3% . Assume the roughness coefficient for tile material as 0.011.                                                                                              | 10<br>10 |
| 04 (a) What are the main objectives of land drainage?<br>(b) A Gross catchment area of a drain is 55 square miles the non-contributing area is 5 miles due to Enhancement of railway track. The inlet time is 2 hours and length 5000 feet interception losses are $\frac{1}{4}$ inch and cultivated area is 30%.<br>Assume slope $\frac{1}{2500}$ Determine the discharge in the drain                          | 08<br>12 |
| Note:<br>♦ Banjar area (non – cultivable) whole contributing<br>♦ Canal irrigated equal to 10% of Banjar area<br>♦ Barani is equal to 80% of Banjar area                                                                                                                                                                                                                                                         |          |
| 05. Discuss the factors affecting the crop growth and yield.                                                                                                                                                                                                                                                                                                                                                     | 20       |
| 06. Give the types of losses in channels and discuss the factors on which they depend.                                                                                                                                                                                                                                                                                                                           | 20       |
| 07. What is soil water potential? Also discuss soil water movement in the light of Darcy's law.                                                                                                                                                                                                                                                                                                                  | 20       |
| 08. Explain salt balance of irrigated lands mathematically. Also derive equation for leaching requirement.                                                                                                                                                                                                                                                                                                       | 20       |

\*\*\*\*\*



**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

**COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR  
THE POSTS OF ASSISTANT ENGINEER/ASSISTANT EXECUTIVE ENGINEER  
(CIVIL) BPS-17**

**Hydraulics & Fluid Mechanics..**

Tuesday the 22<sup>nd</sup> March, 2011

Time: 10:00 am to 01:00 pm.

Max marks: 100

NOTE: Attempt any 05 questions .

| QUESTION NO: |                                                                                                                                                                                                                                                                                                                                                                                                                                | MARKS |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 01           | (a) What advantages can be achieved with the formation of a hydraulic jump along a hydraulic structure?                                                                                                                                                                                                                                                                                                                        | 05    |
|              | (b) Derive a relationship for the depth of water after the formation of hydraulic jump.                                                                                                                                                                                                                                                                                                                                        | 15    |
| 02           | What do you mean by the "most economical channel cross-section"? Show that for a circular culvert of diameter D the velocity of flow will be a maximum when the depth of flow h at the centre is 0.81 D. Use the Chezy formula.                                                                                                                                                                                                | 20    |
| 03           | Discuss the uses of:<br>(i) Dimensional analyses; and (ii) Hydraulic similarity, in the field of Fluid mechanics and Hydraulics.                                                                                                                                                                                                                                                                                               | 20    |
| 04           | (a) Express the merits due to which a Centrifugal pump can be preferred over a Reciprocating pump.                                                                                                                                                                                                                                                                                                                             | 08    |
|              | (b) How the available energy of water is used to produce hydropower using an Impulse turbine, describe?                                                                                                                                                                                                                                                                                                                        | 12    |
| 05           | (a) Find the total pressure and the position of the centre of pressure on one side of an immersed rectangular plate, 6 ft long and 3 ft wide, when the plane of the plate makes an angle of $60^\circ$ with the surface of the water and the 3 ft edge of the plate is parallel to, and at a depth of $2\frac{1}{2}$ ft below the surface level the water.                                                                     | 10    |
|              | (b) Calculate the density, specific weight and specific volume of air at $120^\circ\text{F}$ 30 psia.                                                                                                                                                                                                                                                                                                                          | 10    |
| 06           | A single-acting reciprocating pump has a piston area of $1.5\text{ ft}^2$ and a stroke of 12 in. The cross sectional area of delivery pipe is $0.3\text{ ft}^2$ and the water is lifted through a total height of 40 ft. If the speed of the pump is 60 r.p.m. , and the actual quantity of water lifted 550 gal/min, find the slip, the coefficient of discharge, and the theoretical horse power required to drive the pump. | 20    |
| 07           | (a) A jet of water 1 in, in diameter has a velocity of 60 ft/sec. Find the horse power of the jet.                                                                                                                                                                                                                                                                                                                             | 10    |
|              | (b) A Venturi meter has an enlarged end of $2\text{ ft}^2$ area and a throat area of $0.25\text{ ft}^2$ . The coefficient of meter is 0.97. If the Venturi head is 9 in. of water, find the quantity of water flowing.                                                                                                                                                                                                         | 10    |
| 08           | A masonry dam of rectangular section 20 ft high and 10 ft wide has the water level with its top. Find(1) the total pressure on 1 ft length of the dam; (2) the height of the centre of pressure; (3) the point at which resultant cuts the base. The weight of $1\text{ ft}^3$ of masonry is 110 l.b.                                                                                                                          | 20    |

\*\*\*\*\*

## **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

### **COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR THE POSTS OF ASSISTANT ENGINEER/ASSISTANT EXECUTIVE ENGINEER (CIVIL) BPS-17**

**Sanitary Engineering & Water Supply in combination with Group-II of P-I only.**

Monday the 28<sup>th</sup> March, 2011.

Time: 02:00 pm to 05:00 pm.

Max marks: 100

NOTE: Attempt any 05 questions . .

| QUESTION NO:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MARKS. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 01 Explain the rational method of design of storm water sewers. Explain the relation between design rainfall intensity and time of concentration.<br>The main sewer is designed to serve an area of 20 Km <sup>2</sup> with an average population of 200 persons per hectare. The average rate of sewage flow is 200 lpcd. The flow is 50% in excess of the average together with rainfall equivalent of 10 mm in 24 hours, all of which are run off. What should be the capacity of sewer in m <sup>3</sup> /s.                                             | 20     |
| 02 Write explanatory note on Manholes, Street inlets, Catch basins, Grease and oil traps, Air ejector, Flushing tanks, Proportionate weir inlets, and Method of conveying sewers across obstacles.                                                                                                                                                                                                                                                                                                                                                           | 20     |
| 03 Determine the diameter of a circular sewer to serve an area of 36 hectares (85 acres), having a population of 250 persons per hectare (100 person per acre). The rate of water supply is 180 liters (40 gals). The sewer is to run 2/3 full. Take velocity of flow as 1.35 m ( 4.5 ft/sec).                                                                                                                                                                                                                                                               | 20     |
| 04 Describe the composition of sewage and also possible methods of measuring the strength of sewage. What is BOD? Deduce an expression for B.O.D. with time. What are the factors on which the de-oxygenation constant rate (k) depends? The BOD of sewage for 7 days at 25 degree Celsius is 250 mg/L. The BOD rate constant is 0.23/day. Calculate the 5 days at 20 degree Celsius.                                                                                                                                                                        | 20     |
| 05 Describe the theory of sewage disposal by oxidation ponds. Discuss the suitability of oxidation ponds for sewage treatment in Pakistan. Design a facultative Waste Stabilization Pond based on the following data:<br>(i) Allowable BOD loading =200 kg/ha/day<br>(ii) Elevation of the locality =30 m above sea level<br>(iii) Mean monthly temperature. =35 degree Celsius<br>(iv) Sky clearance Factor =0.90<br>(v) Population to be served =40,000<br>(vi) BOD of sewage =200 mg/l<br>(vii) BOD removal rate constant. =0.20/day at 25 degree Celsius | 20     |

**P.T.O**

- 06 Describe the process of purification of sewage by trickling filters. 20  
Sketch and describe the standard rate trickling filter for purification of sewage. What preliminary treatment should sewage undergo before it can be treated by the filter? Describe the biological change that takes place in the filter.
- 07 Describe briefly the various stages that are involved in the 20  
construction of 125 mm (48-in) diameter cast iron sewer, keeping in view that the sewer has to be laid in a waterlogged sandy soil, at a depth of 5.4 m (18 ft) in a busy street.
- 08 (a) Draw a flow diagram of line of water treatment plant. 06  
(b) Define terminology of Coagulation and briefly determine 07  
the types of Coagulants.  
(c) Determine the quantity of Alum required to treat 13 million 07  
liter water/day at treatment plant. Assume reasonable coagulant dosage.

\*\*\*\*\*



# SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

## COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR THE POSTS OF ASSISTANT ENGINEER/ASSISTANT EXECUTIVE ENGINEER (CIVIL) BPS-17

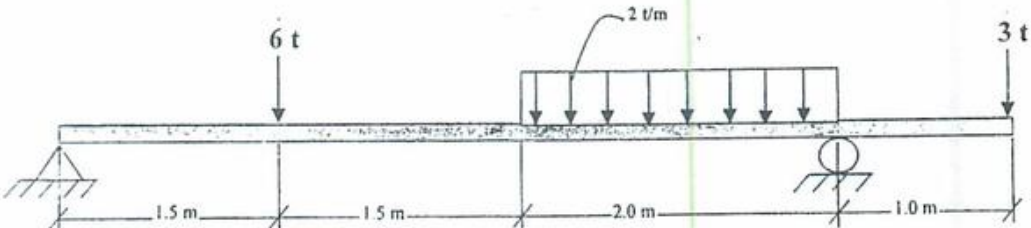
### Theory of Structures & Strength of materials.

Thursday the 24<sup>th</sup> March, 2011

Time: 02:00 pm to 05:00 pm.

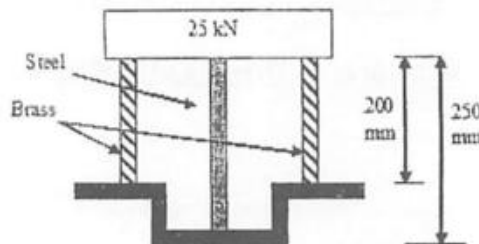
Max marks: 100

NOTE: Attempt any 05 questions .

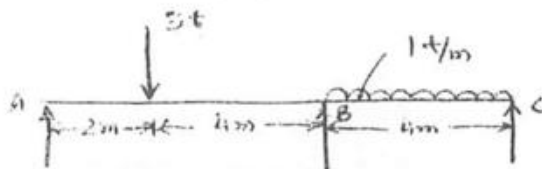
| QUESTION NO:                                                                        |                                                                                                                                                                                                                                                                                                                                                      | MARKS |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 01                                                                                  | (a) Define the terms Shear force and Bending moment. Discuss the utility of Shear force and Bending moment Diagrams.                                                                                                                                                                                                                                 | 09    |
|                                                                                     | (b) Draw Shear force and Bending moment Diagram for the beam as shown in the figure given blow.                                                                                                                                                                                                                                                      | 11    |
|  |                                                                                                                                                                                                                                                                                                                                                      |       |
| 02                                                                                  | (a) What are flat plates? Give the classification of flat plates and discuss the methods of determining the elastic stresses in flat plates.                                                                                                                                                                                                         | 09    |
|                                                                                     | (b) The cylinder of the steam engine is 18 in. diameter and the maximum steam pressure is 125 psi. Find the thickness of the plate cylinder head of steel if the working stress is 15000 psi and the edges are simply supported.                                                                                                                     | 11    |
| 03                                                                                  | (a) What do you understand by oblique planes? Which planes are called principal planes?                                                                                                                                                                                                                                                              | 09    |
|                                                                                     | (b) Derive an expression for stresses on oblique section of body subjected to direct tensile stress $\sigma$ along x-axis and $3\sigma$ along y-axis.                                                                                                                                                                                                | 11    |
| 04                                                                                  | An unknown weight falls through 1 cm on a collar rigidly attached to the lower end of a vertical bar 3 m long and $6 \text{ cm}^2$ in section. If the maximum instantaneous extension is known to be 2 mm, what is the corresponding stress and value of the unknown weight? Take young's modulus of elasticity as $2.0 \times 10^6 \text{ kg/cm}^2$ | 20    |

P.T.O

- 05 A steel rod of cross sectional area  $800 \text{ mm}^2$  and two brass rods each of cross sectional area  $500 \text{ mm}^2$  together support a load of  $25 \text{ kN}$  as shown in the figure given below.. Calculate the stresses in the rods. Take  $E$  for steel as  $200 \text{ GPa}$  and  $E$  for brass as  $100 \text{ GPa}$ . 20



- 06 (a) Derive relationship between slope, deflection and radius of curvature. 10  
 (b) A cantilever beam 15 cm wide, 10 cm deep and 2m span carries a uniformly varying load of  $5 \text{ T/m}$  at the free end and  $15 \text{ T/m}$  at the fixed end. Find the slope and deflection of the cantilever at the free end. Use  $E = 1.0 \times 10^6 \text{ Kg/cm}^2$  10
- 07 A continuous beam (given below figure) 10 m long is resting on supports at same level at A, B and C. Determine the moments over the beam using three moment theorem and draw the bending moment diagram. Also compute support reactions and draw shear force diagram. 20



- 08 (a) What is lateral strain? What is relationship between lateral strain and Poisson's ratio? 07  
 (b) A steel bar of length 3 ft and diameter 0.75 inch when tested for tensile strength observed 2 in increase in length and 0.1 in reduction in diameter. Compute strain, lateral strain and Poisson's ratio. 13

\*\*\*\*\*

# SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.

## COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR THE POSTS OF ASSISTANT ENGINEER/ASSISTANT EXECUTIVE ENGINEER (CIVIL) BPS-17

### Concrete Technology & Structure Design.

Friday the 25<sup>th</sup> March, 2011

Time: 10:00 am to 01:00 pm.

Max marks: 100

NOTE: Attempt any 05 questions .

| QUESTION NO:                                                                                                                                                                                                                                                                                                                                                                                                                      | MARKS    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 01 Explain various methods of concrete curing and their impact on final strength of concrete strength.                                                                                                                                                                                                                                                                                                                            | 20       |
| 02 (a) Why in earthquake regions spirally reinforced columns are better than tied columns.<br>(b) Design a square tied column for an ultimate load of 436 kips. Use $f_{c'} = 3\text{ksi}$ , $f_y = 40\text{ ksi}$ and $p = 0.02$ .                                                                                                                                                                                               | 05<br>15 |
| 03 Explain various types of cements along with their routine tests?                                                                                                                                                                                                                                                                                                                                                               | 20       |
| 04 (a) Determine the allowable ultimate load on a column of 20" diameter circular column section which is reinforced with 6 bars of 1" dia. $f_{c'} = 3\text{ksi}$ , $f_y = 40\text{ksi}$ .<br>(b) Design a square column with a cross-section of 12" x 12" and ultimate load of 200 tones, material properties are; $f_{c'} = 3\text{ksi}$ , $f_y = 40\text{ksi}$ .                                                              | 10<br>10 |
| 05 (a) State the principle mechanism of shear Resistance. Explain the Beam and Arch action in shear span.<br>(b) A 20 ft span simply supported beam 10" x 30" carries dead and live load 5k/ft and 1.5 k/ft respectively. Check the section for the shear and design necessary web reinforcement. Strength of concrete is 3 ksi and steel stress is 40 ksi.                                                                       | 10<br>10 |
| 06 A rectangular beam has width of 10" and effective depth to the center of tension steel bars at $d=17"$ . Tension reinforcement consists of 6 No.1" diameter bars into two layers; compression steel consists of 2 bars of 7/8" bars placed at 2" from top. Calculate the ultimate moment capacity of the beam. $f_{c'} = 3\text{ ksi}$ , $f_y = 50\text{ksi}$ . Concrete cover at the bottom is 3.5"                           | 20       |
| 07 (a) What are the factors which govern the maximum permissible size of the aggregates? Does the size of the aggregate affect the proportioning?<br>(b) What is water cement ratio? Explain in details various factors that affect the strength of concrete.                                                                                                                                                                     | 10<br>10 |
| 08 Design a reinforced concrete combined rectangular footing for two columns, which are located 14' apart. The overall size of columns is 22" x 22" each and the load carried by each column is 160 tones. The space available for the footing is restricted to 6'. The safe bearing capacity of the soil is 2 tones /ft <sup>2</sup> . Determine the necessary reinforcement and give necessary working drawing for the footing. | 20       |

\*\*\*\*\*



**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

**COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR THE POSTS OF  
ASSISTANT ENGINEER/ASSISTANT EXECUTIVE ENGINEER (CIVIL) BPS-17  
APPLIED MATHEMATICS.**

Saturday the 26<sup>th</sup> March, 2011.

Time: 02:00 pm to 05:00 pm.

Max marks: 100

**NOTE: Attempt any 05 questions .**

| QUESTION NO: |                                                                                                                                                                                                                                                                                                | MARKS. |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 01           | (a) Solve the following differential equations:<br>(i) $(y^4 - 2yx^3) dx + (2x^2y^2 - x^4) dy = 0$<br>(ii) $\frac{dy}{dx} - \frac{dx}{dy} = \frac{x}{y} - \frac{y}{x}$                                                                                                                         | 12     |
|              | (b) A copper ball is heated to a temperature of 200°C. Then at time $t = 0$ it is placed in water which is maintained at a temperature of 40°C. At the end of 3 minutes the temperature of the ball is reduced to 65°C. Find the time at which the temperature of the ball is reduced to 25°C. | 08     |
| 02           | (a) Solve the following differential equations:<br>(i) $x^3 y'''' + 2x^2 y''' + 2y = 10(x + 1/x)$<br>(ii) $y'' - 3y' + 2y = (1 + e^x)^{-1}$                                                                                                                                                    | 12     |
|              | (b) Find a solution of the equation<br>$\frac{\partial^2 z}{\partial x^2} = a^2 z$ given that $\frac{\partial z}{\partial x} = a \sin y$ , and $\frac{\partial z}{\partial y} = 0$ when $x = 0$                                                                                                | 08     |
| 03           | (a) Solve the wave equation:<br>$\frac{\partial^2 u}{\partial t^2} = 16 \frac{\partial^2 u}{\partial y^2}$                                                                                                                                                                                     | 12     |
|              | (b) Define the convergence and divergence of an infinite series. Use an appropriate tests to check the convergence of the following series.<br>(i) $\sum_{n=1}^{\infty} \frac{(n!)^2}{(2n)!} x^n$ (ii) $\sum_{n=1}^{\infty} \left( \frac{n!}{n^n} \right)^n$                                   | 08     |
| 04           | (a) State "Convolution Property". Use this property to compute the following:<br>$L^{-1} \frac{s^2}{(s^2 + 9)(s^2 + 4)}$                                                                                                                                                                       | 08     |
|              | (b) Evaluate the following:<br>(i) $L^{-1} \frac{s+1}{(s^2 + 4s + 5)}$ (ii) $L^{-1} \frac{s^2 + 1}{(s-1)^2 (s+6)}$                                                                                                                                                                             | 12     |
| 05           | (a) Evaluate $\int_{(0,2)}^{(2,6)} (3x + 2y)dx + (2y - 3x)dy$ along the curve $y = x^2 + 2$                                                                                                                                                                                                    | 05     |

**P.T.O**

- (b) State Cauchy's Integral formula. Use this formula to evaluate.

$$\oint_C \frac{z^3 + 1}{(z-2)^3} dz, \text{ where } C \text{ is a circle } |z| = 5$$

- (c) State the "Residue Theorem". Hence evaluate the following integrals:

$$(i) \oint_C \frac{z+1}{(z-1)^2(z-3)} dz \quad (ii) \oint_C \frac{1}{(z+1)^2(z+4)^2} dz, \text{ where } C \text{ contains all poles.}$$

- 06 (a) Define derivable function. Also discuss the derivability of function

$$f(x) = \begin{cases} x, & \text{if } 0 \leq x \leq 1 \\ 2x-1, & \text{if } 1 < x \leq 2 \end{cases} \quad \text{at } x=1$$

- (b) The height  $s$  (in feet) of a rocket  $t$  seconds after its Launching, is given by  $s = -t^3 + 96t^2 + 195t + 10$ , ( $t \geq 0$ ) Find:  
(i) The velocity of rocket when  $t = 0, 30, 50$  seconds.  
(ii) The maximum height attained by the rocket.

- (c) Evaluate the following integrals. (Any two)

$$(i) \int \{ \pi^{\sin x} + (\sin x)^{\pi} \} \cos x \, dx \quad (ii) \int \sin^{-1} x \, dx$$

$$(iii) \int \frac{3x+1}{2x^2-2x+3} dx$$

- (d) Evaluate  $\int_0^{\pi/4} \ln(1 + \tan x) \, dx$  by using the properties of definite integral.

- 07 (a) Define Homogeneous function. Also show that if

$$U = \sin^{-1} \left( \frac{x^2 + y^2}{x + y} \right) \text{ prove that } x \frac{\partial U}{\partial x} + y \frac{\partial U}{\partial y} = \tan U$$

- (b) Apply the Taylor's theorem to prove that,

$$a^{x+h} = a^x \left\{ 1 + h \log a + \frac{h^2}{2!} (\log a)^2 + \frac{h^3}{3!} (\log a)^3 + \dots \right\}$$

- (c) Evaluate any two of the following:

$$(i) \int_0^1 \int_0^x (x^2 + 4xy) dy \, dx$$

$$(ii) \iiint_S 3(x^2y + y^2z) \, dV, \text{ where } S \text{ is bounded by the planes } x=1, x=3, y=-1, y=1, z=2 \text{ and } z=4$$

$$(iii) \int_0^{\infty} x^{1/4} e^{-\sqrt{x}} \, dx \text{ by using definition of Gamma function.}$$

- (d) Define reduction formula, and find the reduction formula for  $\int \sin^n x \, dx$

\*\*\*\*\*

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

**COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT ENGINEER  
(CIVIL) BPS-17 IN PUBLIC HEALTH ENGINEERING DEPARTMENT,  
GOVERNMENT OF SINDH.**

**English ( Including Essay & Précis)**

Wednesday the 22<sup>nd</sup> January, 2014

Time: 10:00 am to 01:00 pm

Max: marks:100

**NOTE: Attempt all questions. All questions carry equal marks.**

**Question No:**

01 Write an Essay of 150 words on any One of the following topics:

- (i) Islam- the Religion of Peace.
- (ii) Role of Print & Electronic Media in public awareness.
- (iii) The life of a Civil Engineer
- (iv) Procrastination is the thief of time.

02 Make a précis of the following passage and give it an appropriate title:

It is not luck but labour that makes men. Luck says an American writer, is ever waiting for something to turn up: Labour with keen eye and strong will always turns up something. Luck lies in bed and wishes the postman would bring him news of a legacy; labour turns out at six and with busy pen and ringing hammer lays the foundation of a competence. Luck whines; labour watches. Luck relies on chance; labour on character. Luck slips downwards to self-indulgence; labour strides upwards and aspires to independence. The conviction, therefore, is extending that diligence is the mother of good luck: in other words, that a man's success in life will be proportionate to his efforts, to his industry, to his attention to small things.

03 Write a letter to the Editor of a Newspaper arousing the Public Conscience against the dangers of environmental Pollution suggesting what steps can be taken to prevent air Pollution.

**OR**

Write a short report to your Head Office regarding the precarious condition of the canal banks and the need for immediate repairs.

04 Do as directed (Choose any Ten)

- (i) "The world", he declared, "is full of sorrow. Would that I were dead!"  
(Change into Indirect Speech)
- (ii) Salman exclaimed with a sigh that he was ruined (Change into direct speech)
- (iii) He applied for leave. It was not granted. (Change into one Simple Sentence)
- (iv) Until you remain idle you will make no progress. (Correct the sentence using 'as long as' or 'So long as')
- (v) Please remember that you have to give my regards to Dr. John. (Change into Negative without changing the sense of the sentence)
- (vi) I would rather you -----tomorrow (Use : to come, come, came, coming)

**P.T.O**



- (vii) Why did you change the CD in the CD player? (Change the voice)
- (viii) I thanked them (Change the narration)
- (ix) A man of Lax moral (Substitute one word: Ruffian, Licentious, Pirate, Vagabond)
- (x) Successful people are genuinely very efficient in \_\_\_\_\_ their tasks.  
(Fill in the blank to make the sentence meaningful:  
(a) Making (b) attaining (c) achieving (d) completing (e) accomplishing.)
- (xi) My mother is ill since two months. (Choose appropriate alternative for the underlined part: (a) has been ill since (b) has been ailing since (c) has been ailing for (d) No correction required.
- (xii) If they won the match, they \_\_\_\_\_ (complete the sentence from the given options) (a) will celebrate it (b) will have celebrated it (c) would celebrate it.
- (xiii) 'Watch out' is very close in meaning to \_\_\_\_\_  
(a) be careful (b) looking outside (c) going away.
- (xiv) brilliant one of is undoubtedly students the the of she class  
(rewrite the sentence correctly).
- (xv) The field of medical is not so difficult as engineering  
(use comparative degree of adjective).

05 Translate into Urdu or Sindhi.

They were sailing across the Straits and it was like sailing on a lake for the sea was as flat as a plate. Suddenly, without any warning, the sun disappeared, the water turned the colour of slate, and a gale sprang up. Waves, eight feet high came in over the sides of the boat, making it difficult to steer. Luckily they had a pail in the boat and they hurriedly began to bail out the water. They decided to make for a little bay, and there they stayed until the gale had blown over. Then they dragged the boat upon to the beach, drained out all the water and set sail again.

-----THE END-----

# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT ENGINEER (CIVIL) BPS-17 IN PUBLIC HEALTH ENGINEERING DEPARTMENT, GOVERNMENT OF SINDH.**

### **Pakistan Studies & Islamiat / Ethics**

Thursday the 23<sup>rd</sup> January, 2014

Time: 10:00 am to 01:00 pm

Max: marks:100

**NOTE: All the candidates are to attempt any five questions selecting three questions from Section-I . The remaining two questions are to be attempted by Muslim candidates from Section-II and Non-Muslim candidates from Section-III. All questions carry equal marks.**

### **Question No:**

### **SECTION-I (PAKISTAN STUDIES)**

- 01 Aligarh and Deoband movements had great contrast in their views and mission and their leaders were at daggers drawn with each other. Discuss.
- 02 "Few individuals significantly alter the cause of history. Fewer still modify the map of the world. Hardly anyone can be credited with creating a nation state. Muhammad Ali Jinnah did all three." Discuss the role of Quaid-i-Azam in the light of this statement.
- 03 Explain background and course of separation of Sindh from Bombay and its main characters.
- 04 Analyze the significance of Lahore Resolution in the history of freedom movement.
- 05 Trace the course of Khilafat movement and assess its significance for the development of Muslim nationalism?

### **SECTION-II (ISLAMIAT)**

- 06 Elaborate concept of Tauheed in Islam and quote some Quranic verses relating to concept of Tauheed.
- 07 Explain economic concepts of Islam which ensure equal distribution and a check on concentration of wealth.
- 08 Give an account of basic moral teachings of Islam for removing all type of discriminations prejudices and intolerance, and ensuring peaceful coexistence in the human society.
- 09 Write short notes on any three of the following:  
(i) Ghazwa-e-Ahzab (ii) Conquest of Mecca (iii) Khutbah-e-Hajatulwida (iv) Taqwa

### **SECTION-III (ETHICS)**

- 10 "Ethics as the maximum Production of Good Consequences." Define the moral philosophy of Hasting Rashdall.
- 11 Define fully the Kant's concept of reverence for Duty.
- 12 Elucidate the Aristotelian doctrine of Self Realization and Eudemonism.
- 13 Define the scope of Ethics in modern society of Science and Technology.

-----THE END-----

# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT ENGINEER (CIVIL) BPS-17 IN PUBLIC HEALTH ENGINEERING DEPARTMENT, GOVERNMENT OF SINDH.**

### **GENERAL KNOWLEDGE AND CURRENT AFFAIRS**

Wednesday the 22<sup>nd</sup> January, 2014.

Time: 02:00 pm to 05:00 pm.

Max marks: 100

NOTE: Attempt five questions in all. All questions carry equal marks. Question No. 01 is compulsory, which is of Objective Type. Give an appropriate answer by filling in the blank space. Every sub-Question carries 02 marks each.

QUESTION NO: \_\_\_\_\_ MARKS \_\_\_\_\_

- 01 Objective type 10 sub-questions. 20
- (a) The surface area of Moon is almost equal to surface area of World Continent \_\_\_\_\_
  - (b) Roman Numeral MDCMXCII is equal to arithmetic numerals \_\_\_\_\_
  - (c) A man purchased 10 goats and sold them for Rs. 60,000/- gaining thereby the cost of 2 goats. What is the cost of one goat? Rs. \_\_\_\_\_
  - (d) First man takes 3 days to dig a certain ditch, second takes 5 days and third takes 6 days. How long would it take all three to do the job collectively? \_\_\_\_\_
  - (e) If the two digits of a number are multiple together, the result is one third of the number itself, what is the number. \_\_\_\_\_
  - (f) Niagara Falls is located on Niagara River. On one bank of the river is the Province of \_\_\_\_\_ (Canada) and on the other bank is the State of \_\_\_\_\_ USA.
  - (g) A semi-circular low wall about 35 inches high, originally part of Holy Kaaba and composed of white marble, opposite but not connected to North-West wall of Baytu-l-Haram, is known as \_\_\_\_\_
  - (h) After Migration to Medina from Mecca, our Holy Prophet Muhammad-e-Mustafa (PBUH) constructed first mosque which is known as \_\_\_\_\_
  - (i) The metal which can join well with the glass is \_\_\_\_\_
  - (j) Potato is native of \_\_\_\_\_ and is actually \_\_\_\_\_ part of plant.
- 02 Enumerate most important events that took place in Pakistan in the year 2013 and briefly describe what effects these events would cast on the future of our Nation. 20
- 03 Who invented Polio Live Vaccine? World Health Organization has declared Pakistan as the most Vulnerable country where Polio Vaccination programme has failed to bring about desirable results and make the country a Polio free country within the next five years. What are the causes for this failure and what measures you suggest for our country to eradicate Polio from our infant population? 20
- 04 Enumerate list of important websites you know? Pakistan Government has blocked You Tube site but Muslim Countries like Saudi Arabia, Iran, Turkey, Egypt, Libya, Malaysia, all Gulf countries and many more have not done so. Suggest the measures and steps Pakistan Government should adopt before unblocking You Tube in order to curb blasphemy on one hand and share important information and knowledge on the other. 20

- 05 Pakistan is facing acute shortage of natural gas and Iran-Pakistan gas pipeline project has been halted by fear of facing sanctions from U.S. Government. How this issue should be addressed so as to provide gas to Industrial hub, CNG stations and meet growing household needs. 20
- 06 India has violated Indus Basin Treaty by constructing Kishin Ganga Dam and Wuller Barrage. Hydrologists point out that there is an acute need to modify and recast Indus Basin Treaty in order to avoid future conflicts on water apportionment between two Nuclear Power Nations i.e. India and Pakistan comment. 20
- 07 What you understand by "Proliferation of weapons of mass destruction". What action was taken recently by the U.N. in this direction in Syria and was that action justified. 20

**THE END**

# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT ENGINEER (CIVIL) BPS-17 IN PUBLIC HEALTH ENGINEERING DEPARTMENT, GOVERNMENT OF SINDH.**

### **Hydraulics & Fluid Mechanics**

Thursday the 23<sup>rd</sup> January, 2014.

Time: 02:00 pm to 05:00 pm.

Max marks: 100

NOTE: Attempt any five questions.

| QUESTION NO:                                                                                                                                                                                                                                                                                                                                                                                    | MARKS |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 01 (a) Discuss Density, Specific weight and Specific volume of a fluid Derive relationship between (i) Specific weight and Density (ii) Density and Specific volume.                                                                                                                                                                                                                            | 10    |
| (b) Describe surface tension. If the pressure difference between the inside and outside of an air bubble of diameter 0.01 mm is 25.2 kPa. What will be the surface tension at air-water interface?                                                                                                                                                                                              | 10    |
| 02 (a) Describe the working mechanism of a Reciprocating Pump.                                                                                                                                                                                                                                                                                                                                  | 08    |
| (b) Give classification of Turbines and discuss, how a suitable type of turbine is selected under the existing conditions and requirements.                                                                                                                                                                                                                                                     | 12    |
| 03 (a) Describe Hydraulic coefficients for an orifice and find out relationship between them.                                                                                                                                                                                                                                                                                                   | 10    |
| (b) A circular tank of diameter 2.75 m contains water upto a height of 5 m. The tank is provided with an orifice of diameter 38 cm at the bottom. Find the time taken by water to fall from 5 to 3.2 m. Also compute the time of emptying the tank.                                                                                                                                             | 10    |
| 04 (a) Give characteristics of Compound, Parallel and Equivalent pipes.                                                                                                                                                                                                                                                                                                                         | 09    |
| (b) A power of 125 kW is to be transmitted through a 2.6 km long pipeline having a pressure of 3900 kN/m <sup>2</sup> at the inlet. If the pressure drop over the entire length of pipe is 790 kN/m <sup>2</sup> and coefficient of friction of the pipe is 0.0059, find diameter of the pipe and efficiency of transmission.                                                                   | 11    |
| 05 (a) What is Buoyancy and Center of Buoyancy. Also describe stability of floating bodies.                                                                                                                                                                                                                                                                                                     | 08    |
| (b) On a flat plate of size 2 m X 1 m, experiments were conducted in a wind tunnel with a wind speed of 50 km/hr. The plate is kept at such an angle that the coefficients of drag and lift are 0.8 and 0.9 respectively. Determine (i) Drag force: (ii) Lift force, (iii) Resultant force and (iv) Power exerted by the air stream on the plate. Take density of air = 1.15kg/m <sup>3</sup> . | 12    |
| 06 (a) What is fluid mechanics? Differentiate between solids, gases and liquids.                                                                                                                                                                                                                                                                                                                | 10    |
| (b) State the Pascal's law and mention its application in engineering and technology.                                                                                                                                                                                                                                                                                                           | 10    |

- 07 A wall having dimensions of 5 m in vertical and 100 m in width is erected across a stream. The water level on the up- and downstream of the wall is 4 and 2 m, respectively, then find (a) The total pressure on the wall, and (b) the position of center of pressure from the water surface. 20
- 08 An aqueduct having a discharge of 100 cusecs fills up a certain tank of volume 720000 ft<sup>3</sup>. The water flows through the aqueduct at its maximum permissible velocity of 3 ft/sec. Find that: (a) How many hours would be required to fill up the tank, (b) what is cross sectional area of the aqueduct, and (c) what is pressure per unit area on the bottom of the tank? 20

**THE END**



# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT ENGINEER (CIVIL) BPS-17 IN PUBLIC HEALTH ENGINEERING DEPARTMENT, GOVERNMENT OF SINDH.**

### **WATER SUPPLY AND SANITARY ENGINEERING**

Friday the 24<sup>th</sup> January, 2014.

Time: 10:00 am to 01:00 pm.

Max marks: 100

---

---

NOTE: Attempt any five questions.

---

---

| QUESTION NO:                                                                                                                                                                                                                                                                                                   | MARKS          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 01 (i) What are the advantages of a successful water supply project?<br>(ii) Give an outline for a typical report of any water supply scheme<br>(iii) Distinguish between continuous water supply system and intermittent water supply system                                                                  | 05<br>10<br>05 |
| 02 (i) What is brake point chlorination and residual chlorination<br>(ii) Role of Intake in water distribution system. Explain River Intake<br>(iii) Discuss the Dead end Method of layout of distribution system and also discuss water losses                                                                | 05<br>05<br>10 |
| 03 (i) What are the factors to be considered before making selection for the material for sewers?<br>(ii) What are the requirements of good sewer-joint?<br>(iii) Describe, how the solid waste is collected and removed                                                                                       | 05<br>05<br>10 |
| 04 (i) What are the functional elements of Solid Waste Management?<br>(ii) Explain in detail Integrated waste management focusing on 4 Rs.<br>(iii) Define a disposal option Landfill design and its location                                                                                                  | 05<br>10<br>05 |
| 05 (a) Discuss the different physical and chemical test for determining the suitability of drinking water<br>(b) State the permissible limits for following in the drinking water:<br>i. Turbidity<br>ii. Chlorides<br>iii. Nitrates<br>iv. Hardness<br>v. Fluorides                                           | 10<br>10       |
| 06 (a) Explain the composition of sewage and also the possible method of measuring the strength of sewage. Write out the laboratory procedure of the experiment to determine the strength of sewage.<br>(b) Describe the aerobic and anaerobic cycles take parts in stabilization of organic matter in nature. | 10<br>10       |

- 07 (a) Describes the various methods of distribution of water employed in municipal water supply scheme. 10
- (b) A dead end type of distribution network has been adopted for supplying water to the certain zone of the city having different blocks and their population as shown in below. The average rate of water supply is 150 lpcd. Design the sizes of the distribution network with the following assumptions: 10
- i. The R.L. of the bottom of the storage tank may be assumed as 230.00 m
  - ii. The R.L. points along the road be taken as A-210.00 m, B-200.00 and C-198.00m
  - iii. The length of AB and BC may be taken as 600 m and 450 m respectively
  - iv. The distribution system may be designed for maximum demand equal to 2.5 times of the average demand.
  - v. The minimum pressure head to be maintained at any point in the distribution network may be assumed as 12m.
  - vi. Use William Hazen's formula for estimation of head loss.
- 08 (a) Describe Landfill methods. Classify solid waste on the basis of generation sources and define their heterogeneous components. 10
- (b) Calculate the area of the landfill for the city having following particulars: 10
- i. Population = 10,000 persons
  - ii. Solid waste generation rate = 0.50 kg/capita/day
  - iii. Density of the waste = 250 kg/m<sup>3</sup>
  - iv. Solid waste is to be Landfilled for 10 years
  - v. Depth of Landfill = 10 meter
  - vi. Assume 15% of over all depth as clay cover

**THE END**

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

**COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR  
THE POSTS OF ASSISTANT ENGINEER/ASSISTANT EXECUTIVE ENGINEER  
(CIVIL) BPS-17**

**Water Supply & Sanitary Engineering.**

Tuesday the 22<sup>nd</sup> March, 2011

Time: 02:00 pm to 05:00 pm.

Max marks: 100

NOTE: Attempt any 05 questions .

| QUESTION NO: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MARKS |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 01           | (a) State the various investigations one would make and the data that would be collected for preparation of water supply project for a town . What drawings would be prepared to present a scheme for the supply of water?                                                                                                                                                                                                                                                                                                                                                                                         | 10    |
|              | (b) How is a rainfall measured? Explain the meaning of the term "Mean Annual Rainfall" of a place. Discuss its variations, and point out its practical applications.                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10    |
| 02           | A drainage district has an area of 14 hectors with 30 houses per hectore. The average area of the roof is 84.0 sq. m. per house; take $K_1 = 0.9$ as impervious factor. The roads occupy 25 percent of the total area. The main roads are tarred and the interior ones are water bound macadam. $K_2$ for roads could be taken as 0.6. The remaining area is open space whose value for $K_3$ equals 0.12.<br>Determine the impervious factor for entire district;<br>If the rainfall record show that the intensity of an ordinary rain storm is 4.5 cm, per hour, what will be the discharge from this district? | 20    |
| 03           | Design an isolated lavatory block to serve a secondary school with 500 boys and 200 girls. Drainage from the lavatory block is to be connected to a city sewer at a depth of 12 feet. The sewer is located at a distance of 300 ft. from the site of lavatory.                                                                                                                                                                                                                                                                                                                                                     | 20    |
| 04           | (a) What are the salient features of Water Supply Scheme and its need?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 08    |
|              | (b) Estimate the water demand for a small town having probable population as 10,000 (after three decades). Assume reasonable data.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 08    |
|              | (c) What do you mean by per capita water demand and fluctuation of demand?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 04    |

**P.T.O**

- 05 (a) What are the factors considered while estimating the quantity of the Dry Weather Flow (DWF) and Wet Weather Flow (WWF)? 10
- (b) A 1 Km long storm water sewer collects water from catchments area of 200 hectares, where 30% of area are covered by roof ( $C = 0.90$ ), 20% of area are covered by pavements ( $C = 0.8$ ) and 50% of area are covered by open land ( $C = 0.13$ ). Determine the average  $C$ , and diameter of storm water sewer line assuming:
- Time of entry = 2 minutes
  - Time of flow = 4 minutes
  - Velocity of full flow = 2 m/s
  - $n = 0.013$  & slope = 0.002
- 06 (a) What are the sources of water pollution and state the common impurities in water. 10
- (b) State the necessity of water treatment and what is the function of Sedimentation of Coagulation-flocculation processes. 10
- 07 (a) Describe, with sketch, the construction, working, cleaning, rate of filtration, and efficiency of a rapid sand filter. 12
- (b) Explain the action of Chlorine, when mixed with water and how it is applied in water. 08
- 08 (a) Describe, how the solid waste is collected and removed. 12
- (b) What do you mean by Integrated waste Management? Explain with examples. 08

\*\*\*\*\*

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

**COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR  
THE POSTS OF ASSISTANT ENGINEER/ASSISTANT EXECUTIVE ENGINEER  
(CIVIL) BPS-17**

**Theory of Structures & Steel Structure**

Monday the 28<sup>th</sup> March, 2011

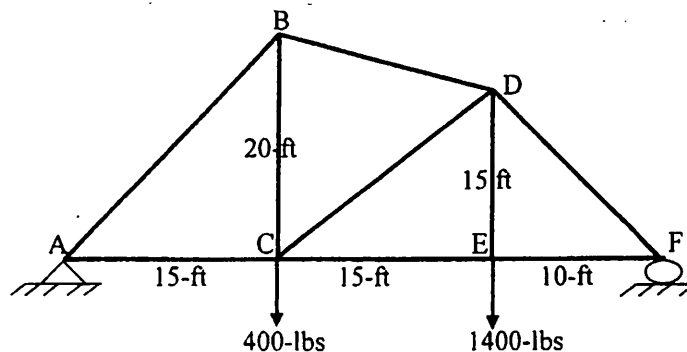
Time: 10:00 am to 01:00 pm.

Max marks: 100

NOTE: Attempt any 05 questions. All questions carry equal marks. .

**QUESTION NO:**

- 01 A cross section of truss for a workshop roof is shown in Figure. By using method of joints or method of sections, determine the forces in the members AC, BC, BD and EF as shown in Figure.



- 02 Discuss the importance of Grillage Foundation.  
Design the Upper Tier of a Two Tier grillage footing, for a column that transmits an axial load of 290-tons to a steel grillage. The base plate of column is square having dimension of 28-in X 28-in. The bearing capacity of soil is 2.15-tons/ft<sup>2</sup>. Take allowable bending stress is equal to 14-tons/in<sup>2</sup>.
- 03 (a) Describe the importance of Steel Structures in Global and Pakistan Construction Industry..  
(b) Describe various loads which are considered in the design of Steel Structures. Discuss Earth quake load in detail and explain the earthquake load equation.  
**F= ZIKCSW**
- 04 Explain with neat sketches fabrication and erection methods of structural steel members used in steel structures.
- 05 Design a suitable base and anchor bolts for a column subjected to an axial load of 500 kN and a wind moment of 175 kNm. Also design the welded connection between the column and base. The safe bearing pressure of concrete may be assumed equal to 4000 kN/m<sup>2</sup>
- 06 A simply supported beam having 15 ft. span supports a uniformly distributed load of 1500 lbs./ft and a point load of 10000 lbs. at the mid span. Calculate the maximum bending moment in the beam. Also determine the magnitude of shear force at the supports and mid span.
- 07 A lintel of a doorway having span "L" ft. carries the weight of brick masonry. The total weight of the masonry above lintel is "W" lbs. Calculate the maximum bending moment and maximum shear force for the following two cases:  
(a) If the load of masonry is considered as rectangular.  
(b) If the load of masonry is considered as triangular.

\*\*\*\*\*

# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR THE POSTS OF ASSISTANT ENGINEER/ASSISTANT EXECUTIVE ENGINEER (CIVIL) BPS-17**

### **Building Construction Techniques.**

Saturday the 19<sup>th</sup> March, 2011

Time: 10:00 am to 01:00 pm.

Max marks: 100

---

NOTE: Attempt any 05 questions . All questions carry equal marks.

---

#### **QUESTION NO:**

- 01 Define the term "Built Environment" & "Natural Environment". Discuss & Sketch important elements of built environment & natural environment.
- 02 (a) Enlist the major defects in the brick masonry work. What preventive measurements should be adopted to remove these defects?  
(b) Define the following terminologies pertaining to the brick masonry work.  
(i) Bed (ii) Course (iii) Brick on edge (iv) Quoin closer  
(v) perpend (vi) Cow nose
- 03 Design a lintel over 2 m window which is positioned in the central length of a long wall 20 cm thick. Height of masonry over lintel is 4 m . Adopt  $c = 50 \text{ kg / m}^2$ ,  $t = 1400 \text{ kg / cm}^2$   $m = 18$ . Density of masonry is  $1920 \text{ kg / m}^3$  . Check for shear stress and bond stress.
- 04 Design a square R.C.C footing subjected to a load of 80t, column is 50cm x 50cm in plan. Bearing capacity of soil is  $10 \text{ t / m}^2$ . Adopt  $c = 50 \text{ kg / m}^2$ ,  $t = 1400 \text{ kg / cm}^2$ ,  $m = 18$ . Check if it is safe in shear and bond stress.
- 05 Before design and construction of building, why soil investigation of construction site is made. Discuss methods of soil investigation and usefulness of its results.
- 06 Enlist the main difference between load bearing and reinforced concrete structures. Considering economical and geographical position of Pakistan which of these techniques is most suitable.
- 07 Discuss non-structural elements of a building and their use. Are they essential and why?
- 08 Discuss different methodologies of construction of tall buildings. Explain procedure of construction of tube in tube structure and its benefits.

\*\*\*\*\*



**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

**COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR  
THE POSTS OF ASSISTANT ENGINEER/ASSISTANT EXECUTIVE ENGINEER  
(CIVIL) BPS-17**

**Soil Mechanics & Foundation Engineering..**

Saturday the 26<sup>th</sup> March, 2011  
Time: 10:00 am to 01:00 pm.

Max marks: 100

NOTE: Attempt any 05 questions .

**QUESTION NO:**

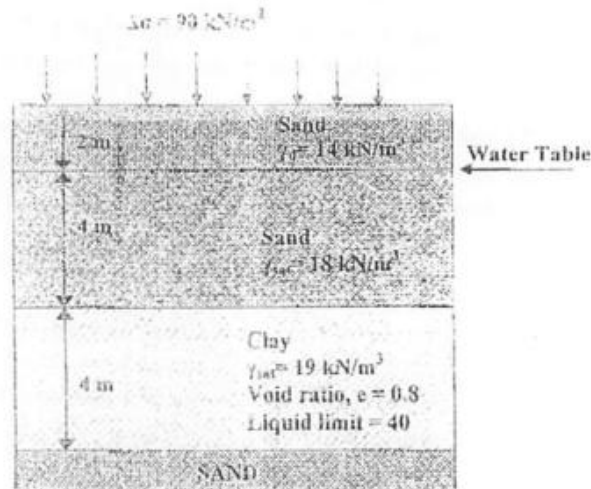
**MARKS**

- |    |     |                                                                                                                                                                                                                                                                                                                                                                                                                               |    |
|----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 01 | (a) | A sample of wet silty clay has a mass of 126 kg. The following data were obtained from laboratory test on the sample: wet density = $2.1 \text{ g/cm}^3$ , $G = 2.7$ , water content, $w = 15\%$ . Determine dry density porosity, void ratio and degree of saturation for the sample.                                                                                                                                        | 10 |
|    | (b) | The moisture content of an undisturbed sample of clay belonging to a volcanic region is 265%, with 100% saturation. The specific gravity is 2.5. The dry unit weight is $3.3 \text{ kN/m}^3$ . Determine the saturated unit weight, the submerged unit weight and void ratio.                                                                                                                                                 | 10 |
| 02 |     | A reinforced concrete water tank of size 8m x 8m and resting on the ground surface carries a uniformly distributed load of $2550 \text{ kN/m}^2$ . Estimate the maximum vertical pressures at depths of 12 and 24 meters by point approximation.                                                                                                                                                                              | 20 |
| 03 | (a) | Classify the sheet piles according to their materials. Discuss their advantages and disadvantages.                                                                                                                                                                                                                                                                                                                            | 10 |
|    | (b) | A concrete pile of 40 cm diameters, carries a safe load of 650 kN, is required to be driven into a homogenous mass of cohesionless soil. A static cone penetration test conducted at the site indicates an average value of $q_c = 40 \text{ kg/cm}^2$ along the pile and $120 \text{ kg/cm}^2$ below the pile tip. Compute the length of the pile with $F_s = 2.5$ .                                                         | 10 |
| 04 |     | The depths of soil behind and in front of a rigid retaining wall are 8 m and 3 m respectively, both the soil surface being horizontal. The appropriate shear strength parameters for soil are $c_u = 30 \text{ kN/m}^2$ , and $\phi_u = 22^\circ$ and the unit weight is $18 \text{ kN/m}^3$ . Using Rankine theory, determine the total active thrust behind the wall and the total passive resistance in front of the wall. | 20 |
| 05 |     | The liquid, plastic and shrinkage limits of a soil were reported at 60%, 30% and 20% respectively. The sample of soil has a volume of 40 cc at liquid limit. The volume of soil sample is reduced to 23 cc at shrinkage limit. Determine the specific gravity of the solids. Also find shrinkage ratio and volumetric shrinkage of the soil?                                                                                  | 20 |

**P.T.0**

(02)

- 05 (a) What do you know about friction Piles? 08
- (b) Find the penetration depth for a 40 cm square R.C. pile driven through sea bed for a jetty structure to carry a maximum compression load of 600 kN and a net uplift load of 350 kN. The soil below sea bed consists of a 10m thick layer of saturated medium dense sand overlaying dense sand and gravel. The average corrected SPT blows in the top 10 m sand are 12 and, 40 on bottom sand gravel layer. No erosion is expected. The minimum safety factor should be 2.5 on the uplift load and 3.5 on the compression load. 12
- 07 (a) Describe the causes of settlements and their effects on buildings. Discuss the remedial measures to prevent excessive total and differential settlements. 09
- (b) A soil profile as shown in the figure given below. If a uniformly distributed load,  $\Delta\sigma$ , is applied at the ground surface, what is the settlement of the clay layer caused by primary consolidation if (i) The clay is normally consolidated, (ii) The pre-consolidation pressure ( $\sigma'_c$ ) = 200 kN/m<sup>2</sup>, and (iii)  $\sigma'_c = 160$  kN/m<sup>2</sup> [ Use  $C_s = 1/6 C_c$  ] 11



- 08 An embankment for road traffic is required to be constructed with the top width 8 m., height 4 m, side slopes 1:1.5. The unit weight of soil under the worst condition is 21 kN/m<sup>3</sup>. Compute the vertical pressure at depth of 6 m below the ground surface, on the central longitudinal plane of the embankment and below the toes of the embankment. 20

\*\*\*\*\*

## **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

### **COMBINED COMPETITIVE EXAMINATION FOR ENGINEERS CADRE FOR THE POSTS OF ASSISTANT ENGINEER/ASSISTANT EXECUTIVE ENGINEER (CIVIL) BPS-17**

#### **SURVEYING**

Thursday the 24<sup>th</sup> March, 2011

Time: 10:00 am to 01:00 pm.

Max marks: 100

NOTE: Attempt any 05 questions .

| QUESTION NO: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MARKS       |           |            |           |            |     |         |          |          |          |     |          |          |         |          |  |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|------------|-----------|------------|-----|---------|----------|----------|----------|-----|----------|----------|---------|----------|--|
| 01           | (a) Explain classification of surveying on the basis of its nature of field and the instruments used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10          |           |            |           |            |     |         |          |          |          |     |          |          |         |          |  |
|              | (b) Explain direct and In-direct ranging with sketch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10          |           |            |           |            |     |         |          |          |          |     |          |          |         |          |  |
| 02           | (a) Briefly explain the terms Local Attraction and Magnetic Declination.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10          |           |            |           |            |     |         |          |          |          |     |          |          |         |          |  |
|              | (b) The following bearings were observed in a closed compass traverse, where Local attraction was suspected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10          |           |            |           |            |     |         |          |          |          |     |          |          |         |          |  |
|              | <table><tr><td><u>Line</u></td><td><u>AB</u></td><td><u>BC</u></td><td><u>CD</u></td><td><u>DA.</u></td></tr><tr><td>F.B</td><td>74° 20'</td><td>107° 20'</td><td>224° 50'</td><td>306° 40'</td></tr><tr><td>B.B</td><td>256° 00'</td><td>286° 20'</td><td>44° 50'</td><td>126° 00'</td></tr></table>                                                                                                                                                                                                                                                                          | <u>Line</u> | <u>AB</u> | <u>BC</u>  | <u>CD</u> | <u>DA.</u> | F.B | 74° 20' | 107° 20' | 224° 50' | 306° 40' | B.B | 256° 00' | 286° 20' | 44° 50' | 126° 00' |  |
| <u>Line</u>  | <u>AB</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <u>BC</u>   | <u>CD</u> | <u>DA.</u> |           |            |     |         |          |          |          |     |          |          |         |          |  |
| F.B          | 74° 20'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 107° 20'    | 224° 50'  | 306° 40'   |           |            |     |         |          |          |          |     |          |          |         |          |  |
| B.B          | 256° 00'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 286° 20'    | 44° 50'   | 126° 00'   |           |            |     |         |          |          |          |     |          |          |         |          |  |
|              | At what stations do you suspect the local attraction? Find the corrected fore and back bearings of the lines.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |           |            |           |            |     |         |          |          |          |     |          |          |         |          |  |
| 03           | (a) What do you know about Ranging. Describe briefly the different kinds of Ranging.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10          |           |            |           |            |     |         |          |          |          |     |          |          |         |          |  |
|              | (b) A base line LN was measured in two parts, LM and MN of respective length 729.50 ft and 544.0 ft with a steel tape which was exactly 100ft @ 25° C and @ a pull of 100N. The temperature during the measurement of both parts was 35° C where as applied pull during measurement were 120 N and 130 N respectively. Find the correct length of the base line if the x-sectional area of the tape was 0.49 sq.in, the co-efficient of expansion and the modulus of elasticity of the tape material were 0.0000035 per 1° C and 21 x 10 <sup>3</sup> N/ sq. in. respectively. | 10          |           |            |           |            |     |         |          |          |          |     |          |          |         |          |  |
| 04           | (a) Differentiate the following:<br>Latitude and Departure<br>Terrestrial Photogrammetry and Aerial Photogrammetry<br>Radius and degree of the curve.                                                                                                                                                                                                                                                                                                                                                                                                                          | 10          |           |            |           |            |     |         |          |          |          |     |          |          |         |          |  |
|              | (b) What do you know about Tacheometric surveying. Briefly describe the different systems of tacheometry.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10          |           |            |           |            |     |         |          |          |          |     |          |          |         |          |  |

P.T.O.

05 (a) What is Plane table surveying?  
(b) From the given data, calculate the area enclosed by traverse ABCDE.

STATION AZIMUTH LENGTH(Ft)

|   |              |        |
|---|--------------|--------|
| A | 126° 55' 17" | 647.25 |
| B | 178° 18' 58" | 203.03 |
| C | 15° 31' 54"  | 720.35 |
| D | 284° 35' 20" | 610.24 |
| E | 206° 09' 42" | 285.13 |

06 (a) What is a topographic map? How it is drawn?  
(b) How is inverted level measured? What are its application?  
(c) What do you mean by degree of circular curve?  
(d) Describe the methodology to lay out circular curve?

07 (a) Define vertical curve?  
(b) What do you mean by super elevation.  
(c) A grade of  $g_1$  of + 3% intersect grade at -2.4% at a vertex whose station and elevation are 46+70 and 853.48 ft respectively. An equal tangent vertical curve 600 ft has been selected to join two tangents. Compute and tabulate the curve for stake out at full stations.

08 (a) What are the types of aerial photograph?  
(b) What do you mean by spatial data?  
(c) Define dumpy level? How it is different from automatic level?  
(d) What are different types of tape corrections?

\*\*\*\*\*

# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT ENGINEER (CIVIL) BPS-17 IN PUBLIC HEALTH ENGINEERING DEPARTMENT, GOVERNMENT OF SINDH.**

### **SOIL MECHANICS AND FOUNDATION ENGINEERING**

Monday the 27<sup>th</sup> January, 2014.

Time: 10:00 am to 01:00 pm.

Max marks: 100

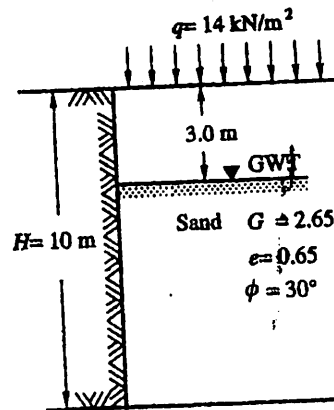
NOTE: Attempt any five questions.

QUESTION NO: MARKS

- 01 (a) Explain the importance of Soil Mechanics in Civil Engineering. What are the major soil deposits in Sindh Region and their characteristics? 08  
(b) There are two borrow areas A and B which have soils with void ratio of 0.80 and 0.70 respectively while specific gravity of 2.65. The in-place water content is 20% and 15%, respectively. The fill at the end of construction will have a total volume of 10,000 m<sup>3</sup>, bulk density of 2 Mg/m<sup>3</sup> and a placement water content of 22%. Determine the volume of the soil required to be excavated from both areas. 12
- 02 (a) A drainage pipe beneath a dam has clogged with sand and whose coefficient of permeability is found to be 8.0 m/day. The average difference in head water and tail water elevation is 21.2 m, and it has been observed that there is a flow of 162 liters per day through the pipe. The pipe is 94.3 m long, and has a cross-sectional area of 180 sq. cm. What length of the pipe is filled with sand? 10  
(b) An aquifer inclined at 20° to the horizontal. The difference of water levels in two observation wells at a horizontal distance of 70 m is 6 m. Determine the discharge through the aquifer per unit width if K=0.8 mm/sec. The depth of aquifer normal to the direction of flow is 4.0 m. 10
- 03 (a) Explain different types of lateral earth pressure and their utilization in design of retaining walls. 08  
(b) On a site of a building construction, a cut of 4 m depth was made in a soil. The lab tests show that the soil has cohesion = 20 kN/m<sup>2</sup>, angle of internal friction = 12° and unit weight = 18 kN/m<sup>3</sup>. Determine the stresses at the top and bottom of the cut. Also determine the maximum depth of potential crack and maximum depth of unsupported excavation. 12
- 04 (a) Discuss standard penetration test. What are the various corrections? What is the importance of the test in geotechnical engineering? 09  
(b) Two plate load tests were conducted at the level of prototype foundation in cohesion less soil close to each other. The following data are given. If a footing is to carry a load of 1000 KN, determine the required size of footing for the same settlement of 25 mm. 11

| Test No.      | Test 1        | Test 2       |
|---------------|---------------|--------------|
| Size of plate | 0.3 m x 0.3 m | 0.6m x 0.6 m |
| Load applied  | 30 KN         | 90 KN        |
| Settlement    | 25 mm         | 25mm         |

- 05 (a) Describe the various purposes for which the pile foundations are taken recourse to. 08  
 (b) It is proposed to provide pile foundation for a heavy column; the pile group consisting of 4 piles, placed at 2.0 m center to center, forming a square pattern. The underground soil is clay, having un-drained cohesion at surface as  $6 \text{ t/m}^2$ , and at depth 10 m, as  $10 \text{ t/m}^2$ . Compute the allowable column load on the pile cap, if the piles are circular having diameters 0.5 m each and length as 10m. 12
- 06 For the earth retaining structure shown in Figure below, construct the earth pressure diagram for the active state and determine the total thrust per unit length of the wall. 20



- 07 The observed standard penetration test value in a deposit of fully submerged sand was 45 at a depth of 6.5 m. The average effective unit weight of the soil is  $9.69 \text{ kN/m}^3$ . The other data given are: Hammer efficiency  $E_h = 0.8$ , (b) drill rod length correction factor  $C_s = 0.9$  and (c) borehole correction factor  $C_b = 1.05$ . Determine the corrected SPT value for standard energy: (a)  $R_{es} = 60\%$  and (b)  $R_{es} = 70\%$  20
- 08 A sample of wet silty clay soil has a mass of 126 kg. The following data were obtained from the laboratory tests on the sample: Wet Density  $= 2.1 \text{ gm/cm}^3$ ,  $G = 2.7$ , water content,  $w = 15\%$ . Determine (a) dry density (b) porosity (c) void ratio and (d) degree of saturation. 20

**THE END**



# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT ENGINEER (CIVIL) BPS-17 IN PUBLIC HEALTH ENGINEERING DEPARTMENT, GOVERNMENT OF SINDH.**

### **Surveying**

Friday the 24<sup>th</sup> January, 2014.  
Time: 03:00 pm to 06:00 pm.

Max marks: 100

NOTE: Attempt any five questions.

| QUESTION NO:                                                                                                                                                                                                                                               | MARKS |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 01 Fill in the blanks                                                                                                                                                                                                                                      | 20    |
| (i) A steel tape was standardized to 100.04 feet at 65 degrees. Today it is 75 degrees. What is the length of the tape today?                                                                                                                              |       |
| (ii) From point A to point B you tape out 114.77' and you tape in (from B to A) 114.91'.<br>What is the ratio of error? Is this acceptable for a steel tape?                                                                                               |       |
| (iii) You take a backsight of 9.45 to a benchmark of elevation 876.99. What is the height of the instrument?                                                                                                                                               |       |
| (iv) What was the range pole used for in the profile leveling exercise?                                                                                                                                                                                    |       |
| (v) You have just turned a double angle and measured the following values<br>1 <sup>st</sup> angle                      1 <sup>st</sup> + 2 <sup>nd</sup> angle<br>58 36' 44                      117 13' 14'<br>What is the average angle?                |       |
| (vi) Convert the following bearings to azimuths.<br>N 38 E                                                                                                                                                                                                 |       |
| (vii) You have just completed taking a stadia measurement and obtained the following information:<br>Top reading = 6.32<br>Bottom reading = 4.67<br>Zenith angle = 83 20<br>A. What is the horizontal distance?<br>B. What is the difference in elevation? |       |
| (viii) You are using a map with a scale of 1:15000. Using this map, one inch equals how many feet?                                                                                                                                                         |       |
| (ix) The contour interval on the map is 13 feet. You measure a horizontal distance of 675 feet over an area that passes 10 contour lines. What is the slope%?                                                                                              |       |
| (x) To measure 70' suspended with a tape that required 20 lbs./100' suspended the tension would be ----- lbs.                                                                                                                                              |       |
| 02 (a) Explain the "Uses of Surveying".                                                                                                                                                                                                                    | 10    |
| (b) The distance between two stations was 1200m when measured with a 30m tape. The same distance when measured with 50m tape was found to be 1195m. If the 30m tape was 0.05m too long, what was the error in the 50m chain?                               | 10    |

**P.T.O**

03 (a) Define the following terms:

08

- (i) True Meridian
- (ii) Azimuth
- (iii) Magnetic Meridian
- (iv) Magnetic bearing

(b) The following are the bearings of a closed traverse, Calculate the interior angles of the traverse.

12

| Side | FB          | BB          |
|------|-------------|-------------|
| AB   | N 45° 30' E | S 45° 30' W |
| BC   | S 60° 0' E  | N 60° 0' W  |
| CD   | S 10° 30' W | N 10° 30' E |
| DA   | N 75° 45' W | S 75° 45' E |

04 The following consecutive readings were taken with a dumpy level along a chain line at a common interval of 15m. The first reading was at a chainage of 165m where the RL is 98.085. The instrument was shifted after the fourth and ninth readings 3.150, 2.245, 1.125, 0.0860, 3.125, 2.760, 1.835, 1.470, 1.965, 1.225, 2.390 and 3.035m. Mark rules on a page of your notebook in the form of a level book page and enter on it the above readings and find the RL of all the points.

20

1. The collimation system and
2. The rise-and-fall system. Apply the usual checks.

05 What is triangulation? Explain the difference between Compass and abney level? And also explain the most accurate method of measuring distance along sloping ground.

20

06 Explain the methods of tachometry and also derive the expressions for horizontal and vertical distances in the fixed hair method when the staff is held normal to the line of sight and the measured angle is that of elevation.

20

07 (a) Compare the Trapezoidal rule and Prismoidal rules of computation of volume of embankment.

08

(b) Data for a three level section of a road are as follows:

12

| Station | Left                 | Centre            | Right                |
|---------|----------------------|-------------------|----------------------|
| 1       | <u>+0.95</u><br>5.25 | <u>+1.00</u><br>0 | <u>+2.55</u><br>7.50 |
| 2       | <u>+1.35</u><br>4.75 | <u>+1.5</u><br>0  | <u>+2.80</u><br>8.10 |

The width of cutting at formation level is 9m and the side slope is 1:1. The stations are 60m apart. Calculate the volume of cutting.

08 (a) What is Theodolite traversing? Explain direct method of measuring horizontal angle.

10

(b) Explain any two of the following methods of traversing:

10

- (a) Included angle method
- (b) Deflection angle method
- (c) Fast angle method

**THE END**

# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT ENGINEER (CIVIL) BPS-17 IN PUBLIC HEALTH ENGINEERING DEPARTMENT, GOVERNMENT OF SINDH.**

### **THEORY OF STRUCTURES AND STEEL STRUCTURES**

Tuesday the 28<sup>th</sup> January, 2014.

Time: 10:00 am to 01:00 pm.

Max marks: 100

---

---

NOTE: Attempt any five questions.

---

| QUESTION NO:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MARKS |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 01 Explain any four of the following:<br>i. Importance of Steel Structures in global construction industry.<br>ii. Point of Contraflexure.<br>iii. Determinancy and Indeterminacy of Structures<br>iv. Truss and its types<br>v. Moving loads and influence lines.                                                                                                                                                                                                                                                                                  | 20    |
| 02 Design a column to carry an axial load of 350 Tons. The effective length of column is 15-ft. Select four angle sections. Consider the value of $F_c=21\text{-Tons/in}^2$ .                                                                                                                                                                                                                                                                                                                                                                       | 20    |
| 03 Differentiate between ASD and LRFD methods. Being a structural engineer which method will you prefer for the design of steel structures? Justify your preference.                                                                                                                                                                                                                                                                                                                                                                                | 20    |
| 04 Define riveted joints, enlist the assumptions made in theory of riveted joints. Also describe the failures of riveted joints.                                                                                                                                                                                                                                                                                                                                                                                                                    | 20    |
| 05 What is steel bridge and under which conditions it is constructed? Highlight its benefits over RCC bridge if any.                                                                                                                                                                                                                                                                                                                                                                                                                                | 20    |
| 06 A simply supported beam of span 'L' carrying uniformly distributed load of intensity 'w'. Compute the maximum deflection and also prove ( $\Delta_{\max}=5wL^4/384EI$ ).                                                                                                                                                                                                                                                                                                                                                                         | 20    |
| 07 Calculate the lateral earthquake force acting on each floor of a 10-story building with basement for the following data:<br>• Plan Area 60' x 120'<br>• Total roof weight = 90 kips<br>• Weight of each floor = 370 kips<br>• Occupancy Importance Factor (I) = 1.25<br>• Earthquake Zone Coefficient (Z) = 0.75<br>• Lateral force Coefficient (k) = 1.00<br>• Numerical Coefficient for Site Resonance = 1.5<br>• Building width in the direction of interest (D) = 60'<br>• Height of Building (H) = 120'<br>• Height of each floor (h) = 12' | 20    |

**THE END**

# **SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

## **COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT ENGINEER (CIVIL) BPS-17 IN PUBLIC HEALTH ENGINEERING DEPARTMENT, GOVERNMENT OF SINDH.**

### **APPLIED MATHEMATICS**

Monday the 27<sup>th</sup> January, 2014.

Time: 02:00 pm to 05:00 pm.

Max marks: 100

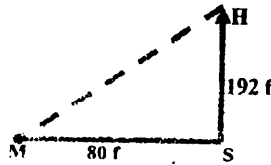
NOTE: Attempt any five questions.

QUESTION NO:

MARKS

- 01 (a) A helicopter rises vertically at the rate of 10 feet per second. 10

There is a marker (M in the figure) 80 feet from where the helicopter lifts off. At what rate is the distance between the helicopter and the marker changing when the helicopter is 192 Feet high? (M is the marker, S is the station and H is the position of helicopter)



- (b) Show that 05

$$\frac{d^n}{dx^n} \left( \frac{\ln x}{x} \right) = \frac{(-1)^n n!}{x^{n+1}} \left[ \ln x - 1 - \frac{1}{2} - \frac{1}{3} - \dots - \frac{1}{n} \right]$$

- (c) Determine the vector function which has  $2\cos 2t \mathbf{i} + 2\sin 2t \mathbf{j} + 4\mathbf{k}$  as its derivative and  $2\mathbf{i} - 3\mathbf{j} + \mathbf{k}$  as its value at  $t = 0$  05

- 02 (a) The temperature of a machine, when it is first shut down after operating, is  $220^\circ\text{C}$  and temperature of the surrounding air is  $30^\circ\text{C}$ . After 20 minutes, the temperature of the machine is  $160^\circ\text{C}$ . Find the temperature of the machine 30 minutes after it is shut down? 10

- (b) Solve the following differential equations: 10

(i)  $\frac{dr}{d\theta} + r \tan \theta = \cos^2 \theta; r \left( \frac{\pi}{4} \right) = 1$

(ii)  $x + yp^2 = p(1 + xy)$  where  $p = dy/dx$

- 03 (a) Find the real and imaginary parts of the complex function 10

$f(z) = z^3 - 2z^2 + 5z - 6$  and by using CR-equations prove that this function is analytic.

- (b) Find the real part of an analytic function whose imaginary part is 10  
 $v = 3x^2y - y^3 + 4xy - 4y$

P.T.O

04 (a) Evaluate 08  

$$\int_{(0,1)}^{(2,4)} (x^2 + y)dx + (y^2 - x) dy \text{ along the curve } y = 2x + 2$$

(b) State Cauchy's Integral formula. Use this formula to evaluate 06

$$\oint_C \frac{e^z}{(z-2)^3} dz, \text{ where } C \text{ is a circle } |z| = 3$$

(c) State the "Residue Theorem". Hence evaluate the following integral 06

$$\oint_C \frac{1}{(z-1)^2(z-4)^2} dz, \text{ where } C \text{ contains all poles.}$$

05 (a) Solve the following differential equations 12

(i)  $(2x^3 - 6x^2y + 3xy) dx - (2x^3 - 3x^2y + y^3) dy = 0$

(ii)  $\frac{dy}{dx} + y = xy^3$

(b) A cup of coffee was initially boiling at  $120^\circ\text{C}$ , it was placed in air at  $20^\circ\text{C}$ . 08  
 After 10 minutes the temperature was  $80^\circ\text{C}$ , what will be the temperature of Coffee after another 10 minutes?

06 (a) Solve;  $\frac{\partial^2 z}{\partial x^2} - 2 \frac{\partial z}{\partial x} + \frac{\partial z}{\partial y} = 0$  by separation of variable method 12

(a) Define the convergence and divergence sequences with examples. Use an 08  
 appropriate test to check the convergence of the following series.

(i) 
$$\sum_{n=1}^{\infty} \frac{1}{n(n+1)(n+2)}$$

(ii) 
$$\sum_{n=1}^{\infty} \frac{2^n}{n(n+2)}$$

07 (a) State Homogeneous function, if  $u = \tan^{-1} \left( \frac{x^2+y^2}{x-y} \right)$  show that 10

$$\frac{x \partial u}{\partial x} + y \frac{\partial u}{\partial y} = \sin 2u$$

(b) Apply the McLaren's series to prove that 10

$$\tan^{-1} x = x - \frac{x^3}{3} + \frac{x^5}{5} - \frac{x^7}{7} + \dots$$

also find value of  $\pi$

**THE END**

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD.**

**COMPETITIVE EXAMINATION FOR THE POST OF ASSISTANT  
ENGINEER (CIVIL) BPS-17 IN PUBLIC HEALTH ENGINEERING  
DEPARTMENT, GOVERNMENT OF SINDH.**

**Sanitary Engineering & Water Supply in combination with Group-II of Part-I only.**

Tuesday the 28<sup>th</sup> January, 2014.

Time: 02:00 pm to 05:00 pm.

Max marks: 100

---

NOTE: Attempt any five questions. All questions carry equal marks.

---

QUESTION NO:

01 Distinguish between the following:

- (i) Sewage and Sullage
- (ii) Dry Weather Flow and Wet Weather Flow
- (iii) Sanitary Sewage and Industrial Sewage
- (iv) Raw Sewage and Septic Sewage
- (v) Vent Pipes and Waste Pipes

02 (i) Describe an Artesian Well, and how is it formed?

(ii) What is river intake? What are the factors which govern the location of an intake?

(iii) What are the common sources of water for a water supply scheme? State the factors that govern the final selection.

03 In a 4-storeyed building each story is 3.5 m high, the plinth is 0.75 m above and underground tank is 0.75 m below GL respectively. The height of the storage tank is 1.2 m and in each floor the number of fixtures are:

- (i) Wash Basin = 2 nos.
- (ii) Water Closets = 2 nos.
- (iii) Showers = 2 nos.
- (iv) Kitchen Sink = 2 nos.

Design the piping system.

04 Write short notes on any five of the following.

- (i) Water supply pipe joints and their losses
- (ii) Oxidation Ponds
- (iii) Septic Tanks
- (iv) Sewer Appurtenances
- (v) Composting
- (vi) Incinerators
- (vii) Infiltration Gallery and Infiltration Well

05 (a) What are the fundamental principles of sanitation? Mention the points of importance in any public sanitary project and discuss them.

(b) What are the aspects to be considered at the time of selection of site and design of sewage treatment plant?

**P.T.O**



- 06 Sketch a conventional sequence of various unit operations in a complete Municipal Sewage Plant. What do you understand by the Primary and Secondary Process of Sewage Purification Treatments? Design a septic tank for 100 users. Average rate of sewage flow is 100 lpcd: Assume data where necessary.
- 07 Define the process of purification of sewage through the trickling filters. How would you compare the Standard Rate and High Rate trickling filters?  
Design the high rate trickling filters for the following data:
- (i) Flow=30 mld
  - (ii) Recirculation=1.5
  - (iii) BOD of raw sewage=200 mg/l
  - (iv) Final effluent BOD desired=60 mg/l
- 08 (a) What are the factors considered while estimating the quantity of the Dry Weather Flow (DWF) and Wet Weather Flow (WWF)?
- (b) A 1km long storm water sewer collects water from catchments area of 50 hectare, where 35% of area is covered by roof ( $I=0.90$ ), 20% of area is covered by pavements ( $I=0.8$ ) and 45% of area is covered by open land ( $I=0.5$ ). Determine the average  $I$ , and diameter of storm water sewer line assuming:
- (i) Time of entry=3 minute
  - (ii) Time of flow = 10 minute
  - (iii) Velocity of full flow = 1.5 m/s
  - (iv)  $n=0.013$  & slope=0.002

**THE END**

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD**

**PRE-INTERVIEW WRITTEN TEST FOR RECRUITMENT TO THE POST OF  
SUPERINTENDENT JAIL (BPS 17)**

Wednesday 29<sup>TH</sup> December 2004

Time: 1100 A.M. to 12.00 Noon

Max Marks: 100

**QUESTION PAPER.**

**General Instructions**

1. Candidates are to attempt all questions and sub-questions. All question carry equal marks.
2. Answer all Questions on Answer Sheet provided.
3. Write your Roll No., Name, Father's Name & Centre on the Answer Sheet WITHIN THE SPACE PROVIDED. DONOT WRITE THESE DATA ANYWHERE ELSE ON THE ANSWER SHEET. DOING SO WILL RENDER YOU TO PENALTIES.
4. Spelling mistakes made will result in deduction of half mark for each mistake.
5. Write the appropriate answer in BLUE or BLACK BALL POINT only.
6. SIGN YOUR ANSWER SHEET IN SPACE PROVIDED.
7. Rough work on separate sheet only.
8. Return your Answer Sheet when you are asked to.
9. DO NOT MAKE, LEAVE OR IMPRINT ANY DISTINGUISHING MARK, SLOGANS, PHRASE ETC ON YOUR ANSWER SHEET. THIS WILL DISQUALIFY YOU FROM THE TEST.
10. Where ever more than one option is available, write down the appropriate serial number, stroke alphabet in the space provided.

**PART I - ENGLISH**

**VOCABULARY**      **Fill in the Blanks with ONE word you think explains the statement:**

- Q.1 The word describing attacking (a person or group of people) after hiding and waiting for them is \_\_\_\_\_.
- Q.2 An unusual, exciting and possibly dangerous activity or journey is called \_\_\_\_\_.
- Q.3 The room in a public building where coats, bags, etc. can be left while the owners are in the building is known as a \_\_\_\_\_.
- Q.4 This kind of book is used to find the alternate words having same meaning \_\_\_\_\_.
- Q.5 Another word for exact and accurate is \_\_\_\_\_.

**STRUCTURE OF SENTENCES**

Complete the sentences by filling the blanks using a word or set of words given in brackets.

- Q.6 Moosa \_\_\_\_\_ a new car. (brought; will buy; bought; buy). It cost him \_\_\_\_\_ of money. (too much; a lot; plenty; very much)
- Q.7 When Shazleen was a child, she \_\_\_\_\_ camping with her family every summer. (used to go; had gone; go; was going)
- Q.8 I will miss you when you return to your country. I will miss you too. \_\_\_\_\_ of you. (I am going to think; I will be thinking; I wont be thinking; I am chinking)
- Q.9 Farwa told me that she \_\_\_\_\_ in 1995. (had gotten married; has been married; had married; is married)
- Q.10 Meeran \_\_\_\_\_ his homework by the time his parents got home. (has finished; was finished; was finishing; had finished)

**SPELLINGS**

Indicate the correct spellings (A, B OR C)

- Q.11 A. AMATEUR                      B. AMATURE                      C. AMATUER
- Q.12 A. MOMENTO                      B. MEMENTOE                      C. MEMENTO

P.T.O

- Q.13 A. MANNOEUVRE B. MANOEUVRE C. MANUVER;  
 Q.14 A. HIERARCHY B. HIRARCHY C. HEIRARCHY  
 Q.15 A. EMBARRASS B. EMBARASS C. EMBARRAS

### WORDS HAVING SAME MEANING

Link the pairs of words that have same meanings by writing the Question Number followed by appropriate Alphabet against it. For eg., 16 A if 16 and A are appropriate pair.

- Q.16 ABBREVIATE A) BIG \_\_\_\_\_  
 Q.17 SUBSTANTIAL E) BLISS \_\_\_\_\_  
 Q.18 PLEASURE C) SAVOUR \_\_\_\_\_  
 Q.19 TASTE D) SUBMISSIVE \_\_\_\_\_  
 Q.20 MEEK E) SHORTEN \_\_\_\_\_

### TRIPLES Complete the triples:

- Q.21 Tom, Dick and \_\_\_\_\_  
 Q.22 Here, There and \_\_\_\_\_  
 Q.23 Left, Right and \_\_\_\_\_  
 Q.24 Mind, Body and \_\_\_\_\_  
 Q.25 Masculine, Feminine and \_\_\_\_\_

### EXPRESSIONS Fill in the blanks to complete the expressions:

- Q.26 To call a spade a \_\_\_\_\_  
 Q.27 To put the cart before the \_\_\_\_\_  
 Q.28 A wild goose \_\_\_\_\_  
 Q.29 To take the bull by the \_\_\_\_\_  
 Q.30 With one foot in the \_\_\_\_\_

### PAKISTAN STUDIES

- Q.31 Country which was first to recognize Pakistan as an independent State  
 A. Afghanistan B. Turkey C. India ☒ D. Iran  
 Q.32 Who was Pakistan's first Foreign Minister  
 A. Kh. Nazimuddin ☒ B. Ch. Mohammad Ali  
 C. Liaqat Ali Khan D. Sir Zafarullah Khan  
 Q.33 Pakistan joined Non-Aligned Movement in  
 A. 1977 B. 1978 ☒ C. 1979 D. 1980  
 Q.34 First TV Centre was inaugurated in Pakistan in  
☒ A. 1964 B. 1962 C. 1963 D. 1966  
 Q.35 Total number of elected representatives in Pakistan's lower house is  
 A. 344 ☒ B. 342 C. 340 D. 345  
 Q.36 When was National Anthem of Pakistan first broadcast on Radio Pakistan  
 A. 14 August 1947 B. 23 March 1948 ☒ C. 14 August 1954 D. 23 March 1954  
 Q.37 When was the designation Governor General abolished and changed to President?  
 A. 23 Aug 1956 B. 23 March 1970 C. 14 August 1973 D. 23 March 1956  
 Q.38 By profession, Sir Syed Ahmed Khan was  
 A. Judge B. Politician C. Poet D. Professor  
 Q.39 Quaid-e-Azam joined Muslim League in  
 A. 1920 B. 1906 C. 1908 D. 1913

P.T.O

- Q.40 Khaliqdina Hall in Karachi was the venue of trial of  
 A. Maulana Mohammad Ali Jauhar B. Maulana Shaukat Ali Jauhar  
 C. Both A and B C. Maulana Abul Kalam Azad
- Q.41 Which leader served both as Governor General and President of Pakistan  
 A. General Ayub Khan B. Khawaja Nazimuddin  
 C. Maj Gen Iskander Mirza D. Hussain Shaheed Suharwardy
- Q.42 Which Pakistani lady married a prince of Royal Family of Jordan  
 A. Princess Abida Sultana B. Princess Sarwat  
 C. Princess Shaista Ikramullah D. None of these
- Q.43 Who was the first Prime Minister of Azad Kashmir  
 A. Abdul Hameed Khan B. Barrister Sultana Mahmood  
 C. Ch. Ghulam Abbas D. Sardar Sikander Hayat Khan
- Q.44 Identify the first Governor and Chief Minister of Sindh, respectively  
 A. Sh Din Mohammad & Pir Illahi Bux B. Qazi Fazal Ullah & Yusuf Haroon  
 C. Sh GH Hidayatullah & Ayub Khuro D. Ayub Khuro & Sh GH Hidayatullah
- Q.45 When did Pakistan become Islamic Republic  
 A. 23 Mar 1956 B. 14 Aug 1947 C. 14 Aug 1951 D. 23 Mar 1951

### GENERAL KNOWLEDGE

- Q.46 Currency of Canada  
 A. Canadian \$ B. Canadian Pound C. Lira D. Canadian Franc
- Q.47 What percent is 25 paise of Rs 10  
 A. 25% B. 30% C. 2.5% D. 3.5%
- Q.48 World War I was fought between the years  
 A. 1915-18 B. 1914-18 C. 1912-16 D. 1912-17
- Q.49 First man to travel into space  
 A. Yuri Gagarin B. Neil Armstrong C. Michael Jones D. John Glen
- Q.50 World's largest continent  
 A. Australia B. Africa C. North America D. Asia
- Q.51 When a mile is converted into Kilometer it measures as under  
 A. 1.5 Km B. 1.6 Km C. 1.4 Km D. 1.7 Km
- Q.52 One Imperial Gallon measures  
 A. 4.54 Ltrs B. 4.50 Ltrs C. 3.54 Ltrs D. 4.74 Ltrs
- Q.53 Instrument which measures atmospheric pressure  
 A. Lactometer B. Hygrometer C. Barometer D. Pressuremeter
- Q.54 WTO has replaced which of the following agencies  
 A. GATT B. IMF C. NAFTA D. CENTO

P.T.O

- Q.55 Brazil is located in  
A. North America    B. Latin America    C. Central America    D. Africa
- Q.56 Suez Canal links which of the following seas:  
A. Atlantic/Pacific Oceans    B. Mediterranean Sea/Atlantic Ocean  
C. Red Sea/Mediterranean Sea    D. Red Sea/Persian Gulf
- Q.57 Term "In camera trials" is used for trials of cases when  
A. Case is heard in open with cameramen allowed  
B. Case is attended by journalists only  
C. Case is heard in Jail premises  
D. Case is heard without reporting to public
- Q.58 Karachi Pact or Accord relates to  
A. Indus Water Basin Treaty between Pakistan and India.  
B. Defence Treaty signed by member states.  
C. Radcliff Boundary Award  
D. None of the Above
- Q.59 The Doctor who specializes in treatment/surgeries of bones, joints and spine is a:  
A. Pediatrician    B. Obstetrician    C. Orthodontist    D. Orthopedist
- Q.60 Freetown is the capital of  
A. Somalia    B. Sierra Leone    C. Slovenia    D. Ivory Coast
- Q.61 The largest Islamic country in terms of area is  
A. Kazakhstan    B. Indonesia    C. Sudan    D. Algeria
- Q.62 Which of the following country is a peninsula?  
A. Australia    B. Fiji    C. Greenland    D. Saudi Arabia
- Q.63 The highest Civil Award of Pakistan is:  
A. Hilal-e-Quaid-e-Azam    B. Nishan-e-Pakistan  
C. Hilal-e-Pakistan    D. Nishan-e-Imtiaz
- Q.64 Stonehenge is one of the ancient wonders of the world situated in:  
A. France    B. Germany    C. England    D. Spain
- Q.65 What do following scientific/military abbreviations denote:  
A. ICBM    B. LASER
- Q.66 What word represent following:  
A. Art of Pottery    B. Art of Garden/Cultivation

- Q.67 Who is a:  
 A. PHILATELIST \_\_\_\_\_ B. LEXICOGRAPHER \_\_\_\_\_
- Q.68 What does following abbreviation denote:  
 A. LOC \_\_\_\_\_ B. DVD \_\_\_\_\_  
 C. deci. \_\_\_\_\_ D. ECG \_\_\_\_\_
- Q.69 The UN Secretary General is appointed by:  
 A. General Assembly B. The Security Council C. I C J  
 D. General Assembly on recommendations of Security Council
- Q.70 Indicate THE LARGEST in the world:  
 A. Seaport \_\_\_\_\_ B. Library \_\_\_\_\_  
 C. Sea Mammal \_\_\_\_\_ D. Bird \_\_\_\_\_

### ISLAMIAT

- Q.71 Which was the last Ghazva of the Prophet (PBUH)  
 A. Taif B. Tabuk C. Hunain D. Khaiber
- Q.72 In the context of Seerat-un-Nabi (PBUH) Saria is \_\_\_\_\_
- Q.73. Indicate the occurrence of following events  
 A. Hajj made compulsory \_\_\_\_\_ AH  
 B. Tragedy of Karbala \_\_\_\_\_ AD  
 C. Zakat became obligatory for all muslims \_\_\_\_\_ AH  
 D. Which year Tawee-e-Ka'aba was ordered \_\_\_\_\_ AH
- Q.74 At how many occasions SIJDA is obligatory in Qur'an Shareef  
 A. 12 B. 14 C. 13 D. 15
- Q.75 Makki and Madnee SURAHS in Qur'an Shareef are respectively \_\_\_\_\_ & \_\_\_\_\_.
- Q.76 Youngest member of Hazrat Imam Hussain (AS) family to embrace shahadat during Battle of Karbala was Hazrat \_\_\_\_\_ (AS) who was \_\_\_\_\_ old.
- Q.77 Hazrat \_\_\_\_\_ took over the mantle of leadership after shahadat of Hazrat Imam Hussain (AS)
- Q.78 Hazrat \_\_\_\_\_ (RA) who belonged to Banu \_\_\_\_\_ tribe, had the longest rein of caliphate amongst Khulfa-e-Rashidun.
- Q.79 Hazrat Mohammad (PBUH) led the biggest army of \_\_\_\_\_ Muslims in Battle of \_\_\_\_\_.
- Q.80 Hazrat \_\_\_\_\_ introduced the words "AsSalaat-o-Khairum' minnum Nom" in Fajr azaan.
- Q.81 \_\_\_\_\_ assassinated Hazrat Ali (AS) in the city of \_\_\_\_\_.



- Q.82 Hazrat Abu Bakr whose real name was \_\_\_\_\_, was Prophet's (PBUH) companion during an important event \_\_\_\_\_.
- Q.83 First mosque built by Prophet (PBUH) was \_\_\_\_\_ which is located outside the city of \_\_\_\_\_.
- Q.84 The land on which Masjid-e-Nabavi is built belonged to \_\_\_\_\_ & \_\_\_\_\_ the cost of which was paid by Hazrat \_\_\_\_\_.
- Q.85 Abu Sufyan accepted Islam at the time of \_\_\_\_\_ in the Year \_\_\_\_\_ AH

### CURRENT AFFAIRS

- Q.86 Which three Latin American and two European countries did President Musharraf recently visit? \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_ and \_\_\_\_\_; \_\_\_\_\_.
- Q.87 From which international donor programme Pakistan has decided to make an exit later this month? \_\_\_\_\_.
- Q.88 Who are the Heads of the State of Australia and Canada? \_\_\_\_\_ & \_\_\_\_\_.
- Q.89 Pakistan & India's Foreign Ministers are \_\_\_\_\_ & \_\_\_\_\_.
- Q.90 Give the full name of recently held Defence Exhibition in Karachi? \_\_\_\_\_.
- Q.91 What does following abbreviation denote?  
A. DRDO \_\_\_\_\_ B. IAEA \_\_\_\_\_ C. PRGF \_\_\_\_\_ D. SAFTA \_\_\_\_\_
- Q.92 Indicate the capitals of following countries:  
A. Ukraine \_\_\_\_\_ B. Kuwait \_\_\_\_\_
- Q.93 Indicate the new names of following countries / cities:  
A. Campbellpur \_\_\_\_\_ B. Burma \_\_\_\_\_  
C. Abyssinia \_\_\_\_\_ D. Nippon \_\_\_\_\_
- Q.94 Elections are due to be held in Iraq on:  
A. 15 Jan 2005 B. 30 Jan 2005 C. 10 Feb 2005 D. 5 Feb 2005
- Q.95 \_\_\_\_\_ Arafat, a \_\_\_\_\_ by profession and the brother of Late President Arafat died recently of \_\_\_\_\_ in \_\_\_\_\_.
- Q.96 The religious group in \_\_\_\_\_ (Name the Country) recently declared a "fatwa" banning \_\_\_\_\_ (Name the sport) by women.
- Q.97 Name four countries in Asia that still have monarchs as Head of State:  
A. \_\_\_\_\_ B. \_\_\_\_\_ C. \_\_\_\_\_ D. \_\_\_\_\_
- Q.98 Name China's President \_\_\_\_\_ and Prime Minister \_\_\_\_\_.
- Q.99 Recently Pakistan test fired surface to surface missile named \_\_\_\_\_ while India tested short range missile \_\_\_\_\_.
- Q.100 In which country, its court recently annulled the Presidential elections?

\*\*\*\*\*

**SINDH PUBLIC SERVICE COMMISSION, HYDERABAD**

**PRE-INTERVIEW WRITTEN TEST FOR RECRUITMENT TO THE POST  
DEPUTY SUPERINTENDENT JAIL (BPS 16)**

Wednesday the 29<sup>th</sup> December 2004  
Time: 2.00 P.M. to 3.00 P.M.

Max Marks: 100

**QUESTION PAPER**

**General Instructions**

1. Candidates are to attempt all questions and sub-questions. All questions carry equal marks.
2. Answer all Questions on Answer Sheet provided.
3. Write your Roll Number, Name, Father's Name & Centre on the Answer Sheet WITHIN THE SPACE PROVIDED. DO NOT WRITE THESE DATA ANY WHERE ELSE ON THE ANSWER SHEET. DOING SO WILL RENDER YOU TO PENALTIES.
4. Spelling mistakes made will result in deduction of half mark for each mistake.
5. Write the appropriate answer in BLUE or BLACK BALL POINT only.
6. SIGN YOUR ANSWER SHEET IN SPACE PROVIDED.
7. Rough work on separate sheet only.
8. Return your Answer Sheet when you are asked to.
9. DO NOT MAKE, LEAVE OR IMPRINT ANY DISTINGUISHING MARK, SLOGANS, PHRASE ETC ON YOUR ANSWER SHEET. THIS WILL DISQUALIFY YOU FROM THE TEST.
10. Where ever more than one option is available, write down the appropriate serial number, stroke alphabet in the space provided.

**PART I – ENGLISH**

**QUESTION NO:**

**VOCABULARY**

Fill in the Blanks with ONE word you think explains the statement:

- 01 \_\_\_\_\_ is evidence that establishes or helps to establish the truth.
- 02 A thing that is out of use or outdated and no more in use, is \_\_\_\_\_.
- 03 A person who is frequently or habitually drunk is \_\_\_\_\_.
- 04 \_\_\_\_\_ is the amount of something that can be measured, weighed, counted, etc. or a fixed amount or number.
- 05 A large mass of ice floating in the sea is \_\_\_\_\_.

**STRUCTURE OF SENTENCES**

Complete the sentences by filling the blanks using a word or set of words given in brackets.

- 06 The enquiry will enable the board and the management to \_\_\_\_\_ the truth.  
( get out; get on ; get at; get to)
- 07 The prices of sugar have \_\_\_\_\_  
(gone ahead; gone up; gone of; gone back upon)
- 08 Meeran \_\_\_\_\_ his homework by the time his parents got home.  
( has finished; was finished; was finishing; had finished)
- 09 When he came into the room he saw many people \_\_\_\_\_  
(sat and discussing; sit and discuss; sitting and discussing; sit and discussing) the burning issue in depth.
- 10 Never \_\_\_\_\_ such a beautiful painting.  
(I have seen; am I seeing; am seeing; have I seen)

**SPELLINGS**

Indicate line the correct spelling ( A, B OR C)

- 11 A) ACCEPTABLE B) ACCEPTIBLE C) ACCEPTIBILL
- 12 A) ACCOMODATE B) ACCOMMODAIT C) ACCOMMODATE

13 A) REFFERED B) REFERRED C) REFFERED

14. A) RELEVANT B) RELIVANT C) RELEVENT

15 A) FORIEGN B) FORIGN C) FOREIGN

**WORDS HAVING SAME MEANING**

Link the pairs of words that have same meanings by writing the Question Number followed by appropriate Alphabet against it. For eg., 16 A IF 16 and A are appropriate pair.

|    |           |    |           |       |
|----|-----------|----|-----------|-------|
| 16 | GLORIOUS  | A) | RESTRAIN  | _____ |
| 17 | HAMPER    | B) | DEARTH    | _____ |
| 18 | PAUCITY   | C) | HARDSHIP  | _____ |
| 19 | RIGOUR    | D) | ECCENTRIC | _____ |
| 20 | FANTASTIC | E) | EXCELLENT | _____ |

**TRIPLES** Complete the triples:

21 Tom, Dick and \_\_\_\_\_  
22 Knife, Fork and \_\_\_\_\_  
23 Healthy, Wealthy and \_\_\_\_\_  
24 Ready, Willing and \_\_\_\_\_  
25 Masculine, Feminine and \_\_\_\_\_

**EXPRESSIONS** Fill in the blanks to complete the expressions:

26 Kindly \_\_\_\_\_ my case again. (look after; look into; look at; look to)  
27 Our school is \_\_\_\_\_ of the railway station.  
(within a stone's throw; at a stone's throw; by a stone's throw; up to a stone's throw)  
28 A wild goose \_\_\_\_\_  
29 The horse broke the \_\_\_\_\_ and ran away. (Bridal; Bridul; Bridle; Bridel)  
30 My car \_\_\_\_\_ on way to the office yesterday.  
(broke into; broke with; broke away; broke down)

---

**PAKISTAN KNOWLEDGE**

31 **Members of Senate in Pakistan are elected by** \_\_\_\_\_  
A. MNAs B. MPAs C. Public D. MNAs & MPAs  
32 **Give Pakistan's largest:**  
A. Industrial Unit \_\_\_\_\_ B. Desert \_\_\_\_\_  
C. Dam \_\_\_\_\_ D. Lake \_\_\_\_\_  
33 University Grants Commission has been replaced by \_\_\_\_\_  
34 Ministry of Ports & Shipping has been created out of Ministry of \_\_\_\_\_ recently.  
35 Pakistan's achievement in cricket was at its zenith when it won the \_\_\_\_th World Cup in 19\_\_\_\_ in \_\_\_\_\_.  
36 Pakistan won the first Olympic title in 19\_\_\_\_ at \_\_\_\_\_ by beating \_\_\_\_\_ by one goal which was scored by \_\_\_\_\_.  
37 **Pakistan's total area is**  
A. 796,906 sq km B. 796,096 sq km C. 796,690 sq km D. 796,609 sq km  
38 **Rearrange the following dams of Pakistan's in descending order of their sizes:**  
A) Warsak B) Khanpur Dam C) Mangla Dam D) Tarbela Dam  
39 **Quaid-e-Azam resigned from the membership of congress in:**  
A) 1913 B) 1916 C) 1920 D) 1918

- 40 Who had the shortest tenure as Governor General of Pakistan?  
A) Iskender Mirza B) Muhammad Ali Jinnah  
C) Ghulam Mohammad D) Kh Nazimuddin
- 41 President Yahya Khan abolished One Unit on:  
A) July 1, 1970 B) August 1, 1970 C) Sep 1, 1970 D) None of these
- 42 Ghulam Mohammad Barrage is located in:  
A) Sukkur B) Kotri C) Taunsa D) Panjnad
- 43 Pakistan has a coastline of about:  
A) 905 KM B) 1105 KM C) 805 KM D) 1005 KM
- 44 Cabinet Mission was a mission sent by \_\_\_\_\_ to \_\_\_\_\_ in \_\_\_\_\_ in order put forward proposal for \_\_\_\_\_.
- 45 So far the 1973 Constitution of Pakistan has been amended:  
A) 15 times B) 19 times C) 17 times D) 16 times

### GENERAL KNOWLEDGE

- 46 Which Arm of Army President General Musharraf belongs to  
A. Infantry B. Armoured Corps C. Artillery D. Air Defence
- 47 United Nation came into existence  
A. 1946 B. 1944 C. 1945 D. 1948
- 48 The ratio of 32m and 80m are  
A. 1 : 5 B. 2 : 5 C. 3 : 5 D. 3m : 5m
- 49 Which of the following statement is correct?  
A. Rotation of earth on its axis from west to east results in sunrise from east.  
B. Rotation of earth on its axis from east to west results in sunrise from east.  
C. Revolution of earth from east to west results in sunrise from east.  
D. Revolution of earth from west to east results in sunrise from east.
- 50 Jinnah Research Station is located in:  
A. Arctic Ocean B. Antarctica C. Himalayan Mountain D. None of these
- 51 The capital of Tibet, 'Lhasa' is called:  
A. Land of Mountains B. Land of Rising Sun  
C. Forbidden City D. Land of Gardens
- 52 Write the odd one out:  
A. London, Paris, New York, Rome B. Wolf, Deer, Elephant, Crocodile
- 53 Revolver was invented by:  
A. Newton B. Samuel Colt C. Devison D. Hertz
- 54 What do following abbreviations denote:  
A. FPCCI \_\_\_\_\_ B. EPZA \_\_\_\_\_
- 55 Indicate the cities where following international airports are located:  
A. Heathrow \_\_\_\_\_ (Washington, London, Rome, Dublin)  
B. Santa Cruz \_\_\_\_\_ (Mumbai, Madrid, Athens, Geneva)
- 56 World's largest peninsula:  
A. South India B. Arabia C. Scandinavia D. Alaska
- 57 Indicate the old names of cities / countries listed below:  
A. Taiwan \_\_\_\_\_ B. Sahiwal \_\_\_\_\_
- 58 Doctors / scientists specialization terminology:  
A. Diagnosis & treatment of brain related disorders  
(Urologist, Neurologist, Dermatologist, Nephrologist)  
B. Those who conduct study of weather  
(Climatologist, Metrologist, Gastrologist, Meteorologist)
- 59 What does following abbreviations denote:  
A. SALT \_\_\_\_\_ B. UNICEF \_\_\_\_\_
- 60 Indicate the capitals of following:  
A. Switzerland \_\_\_\_\_ B. Tunisia \_\_\_\_\_  
C. Peru \_\_\_\_\_ D. New Zealand \_\_\_\_\_

- 61 Which one is the odd one out?  
 A. Thailand, Malaysia, Japan, Indonesia \_\_\_\_\_  
 B. Pakistan, India, Sri Lanka, Maldives \_\_\_\_\_
- 62 Vessels carrying blood away from heart are \_\_\_\_\_ while those carry blood into the heart are \_\_\_\_\_.
- 63 Indicate modern day gadgetry abbreviations:  
 A. DVD \_\_\_\_\_ B. CPU \_\_\_\_\_
- 64 Correlate Inventions to its Inventors:
- |                   |                  |         |
|-------------------|------------------|---------|
| 1. Modern Bicycle | A. Marconi       | 1 _____ |
| 2. Lamp           | B. Stanley       | 2 _____ |
| 3. Radio          | C. Graham Bell   | 3 _____ |
| 4. Telephone      | D. Humphrey Davy | 4 _____ |
- 65 Indicate famous lines of demarcation between states:  
 A. Pakistan & Afghanistan \_\_\_\_\_ B. China & India \_\_\_\_\_
66. SAARC stands for:  
 A. South Asian Association for Regional Collaboration  
 B. South Asian Association of Regional Countries  
 C. South Asian Association for Regional Cooperation  
 D. South Asian Association for Regional Conference
- 67 The most abundant element found in the earth's crust is:  
 A. Iron B. Aluminum C. Silicon D. Oxygen
- 68 Which of the following country is the smallest in terms of population and land area?  
 A. Monaco B. Vatican City C. Malta D. Nauru
- 69 Black Gold is the nickname for:  
 A. Coal B. Carbon C. Silicon D. Petroleum
- 70 The normal power supply in Pakistan is:  
 A. 240 V/60 Hz B. 220 V/60 Hz C. 220 V/50 Hz

### ISLAMIAT

- 71 Which was the last Ghazva of the Prophet (PBUH)  
 A. Taif B. Tabuk C. Hunain D. Khaiber
- 72 Ghazva is \_\_\_\_\_
73. Indicate the occurrence of following events  
 A. Hajj made compulsory \_\_\_\_\_ AH B. Tragedy of Karbala \_\_\_\_\_ AD  
 C. Zakat became obligatory for all muslims \_\_\_\_\_ AH  
 D. Which year Taweel-e-Ka'aba was ordered \_\_\_\_\_ AH
- 74 At how many occasions SIJDA is obligatory in Qur'an Shareef  
 A. 12 B. 14 C. 13 D. 15
- 75 Makki and Madnee SURAHS in Qur'an Shareef are respectively \_\_\_\_\_ & \_\_\_\_\_.
- 76 Angel responsible for taking life of living creature is Hazrat \_\_\_\_\_ while  
 Hazrat \_\_\_\_\_ will blow the trumpet on the Day of Judgement.
- 77 Hazrat \_\_\_\_\_ took over the mantle of leadership after shahadat of Hazrat Imam Hussain (AS)
- 78 Hazrat \_\_\_\_\_ (RA) who belonged to Banu \_\_\_\_\_ tribe, had the longest rein of caliphate amongst Khulfa-e-Rashidun.
- 79 Hazrat Mohammad (PBUH) led the biggest army of \_\_\_\_\_ Muslims in Battle of \_\_\_\_\_.
- 80 Hazrat \_\_\_\_\_ introduced the words "AsSalaat-o-Khairum'minnum Nom" in Fajr azaan.

- 81 \_\_\_\_\_ assassinated Hazrat Ali (AS) in the city of \_\_\_\_\_.
- 82 Hazrat Abu Bakr whose real name was \_\_\_\_\_, was Prophet's (PBUH) companion during an important event \_\_\_\_\_.
- 83 First mosque built by Prophet(PBUH) was \_\_\_\_\_ which is located outside the city of \_\_\_\_\_.
- 84 The land on which Masjid-e-Nabavi is built belonged to \_\_\_\_\_ & \_\_\_\_\_ the cost of which was paid by Hazrat \_\_\_\_\_.
- 85 Abu Sufyan accepted Islam at the time of \_\_\_\_\_ in the Year \_\_\_\_\_ AH.

#### CURRENT AFFAIRS

- 86 \_\_\_\_\_ preceded the UNO as principal world body.
- 87 From which international donor programme Pakistan has decided to make an exit later this month? \_\_\_\_\_
- 88 Late President Yasir Arafat died in \_\_\_\_\_; his funeral services were carried out in \_\_\_\_\_ and he was buried in \_\_\_\_\_.
- 89 Pakistan & India's Foreign Ministers are \_\_\_\_\_ & \_\_\_\_\_.
- 90 Indicate the capitals of following countries:
- A. Germany \_\_\_\_\_ B. UAE \_\_\_\_\_
- 91 Name four countries in Europe that still have monarchs as Head of State: A. \_\_\_\_\_ B. \_\_\_\_\_ C. \_\_\_\_\_ D. \_\_\_\_\_
- 92 Name China's President and Prime Minister. A. \_\_\_\_\_ B. \_\_\_\_\_
- 93 Recently Pakistan test fired surface to surface missile named \_\_\_\_\_ while India tested short range missile \_\_\_\_\_.
- 94 The present Chairman of SAARC is \_\_\_\_\_.
- 95 What do following abbreviations denote? A. ASEAN \_\_\_\_\_ B. NATO \_\_\_\_\_ C. CBMs \_\_\_\_\_
- 96 Pakistan is due to complete its tenure of membership from which significant world body? \_\_\_\_\_
- 97 The \_\_\_\_\_th century \_\_\_\_\_ Mosque in \_\_\_\_\_, India was torn down by Hindu Zealots in \_\_\_\_\_ (year) killing about \_\_\_\_\_ people, mostly muslims.
- 98 Elections are due to be held in Iraq on: A. 15 Jan 2005 B. 30 Jan 2005 C. 10 Feb 2005 D. 5 Feb 2005
- 99 Mr \_\_\_\_\_ of Pakistan who is the Special UN Envoy in Iraq replaced Mr \_\_\_\_\_ recently.
- 100 In which country, its court recently annulled the Presidential elections? A. Sudan B. Indonesia C. Ukraine D. Ivory Coast

\*\*\*\*\*