

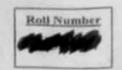
20.

Core of the Earth is the:

(A) Innermost layer

(B) Outer zone

FEDERAL PUBLIC SERVICE COMMISSION COMPETITIVE EXAMINATION-2024 FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT



GEOLOGY

TIME ALLOWED: THREE HOURS (PART-I MCQs) MAXIMUM MARKS: 20
PART-I (MCQs) : MAXIMUM 30 MINUTES (PART-II) MAXIMUM MARKS: 80

NOTE: (i) First attempt PART-I (MCQs) on separate OMR Answer Sheet which shall be taken back after 30 minutes.

(ii) Overwriting/cutting of the options/answers will not be given credit.

(iii) There is no negative marking. All MCQs must be attempted.

PART-I (MCQs)(COMPULSORY)

		PART-I INICOSPICO	HI CLOUDELL		
Q.1. (ii)	Answers given anywhere else	other than Oatte Miswell	Sheet, will not be con	IR Answer Sheet.(20x1=20) sidered.	
1.			in terms of hydrocarbon generation.		
	(A) Density	(B) Temperature	(C) State	(D) Pressure	
2.	Oil derived from coal, oil				
	(A) Natural gas	(B) Biomass	(C) Syn-crude	(D) None of these	
3.	Which of the following re				
	(A) Granite	(B) Shale	(C) Sandstone	(D) Salt	
4.	A trap formed by varying permeability within the layers of rocks is a:				
	(A) Stratigraphic trap	(B) Angular traps	(C) Structural	trap (D) Physical trap	
5.	The process of sea rising to cover the land is called:				
	(A) Weathering	(B) Regression	(C) Transgress	ion (D) Erosion	
6.	Energy resources derived from natural organic materials are called:				
	(A) Geothermal energy	(B) Biomass	(C) Fossil Fue	(D) All of these	
-			A CONTRACTOR OF THE PARTY OF TH	(12) 7111 01 111050	
7.	Which shape of earth is			(D) Geoid	
	(A) Ellipsoid	(B) Circle	(C) Flat plane	(D) Geold	
8.	In case of R.F. the denor		(C) Scale	(D) Number	
	(A) Map Distance	(B) Ground distance	(C) Scale	(D) Number	
9.	(A) Relative location	(B) Absolute location	(C) Topology	(D) Projection	
10.	Quartzite is metamorph		(0) 101000)		
10,	(A) Shale	(B) Limestone	(C) Both (A) &	(B) (D) Sandstone	
11.	A sedimentary rock con				
	(A) Boulder	(B) Cobble	(C) Breccia	(D) Conglomerate	
12.	Black coloured soil indi	cates abundant of:			
	(A) Sandstone	(B) Iron content	- (C) Clay conter	nt (D) Organic content	
13.	Which of the following ;		eathering?	ring?	
	(A) Spheroidal weathering		(B) Hydrolysis and hydration (D) Frost heaving		
14.	(C) Thermal expansion The sea breeze blows du	ring:	(D) Frost neavi	ng	
1-4-	(A) Day from land to sea		(B) Day from sea to land		
	(C) Night from land to sea		(D) Night from sea to land		
15.	The reason behind the	drifting away of continen	ts is:		
	(A) Volcanic eruptions (B) Tectonic activities (C)	Folding and faulting	(D) Change in landform	
16.	Which of the following process are involved in the		formation of sedimentary rocks?		
	(A) Fractional crystallization (B) Lithification		(C) Weathering	(D) Mountain building	
17.	The study of movement	inside earth is called:	(6) 6-1	(D) St C I	
18.	(A) Plate Tectonics (B) Seismology		(C) Geodesy	(D) Structure Geology	
	Ox-bow lakes are forme	3) Intense meandering	(C) Erosion	(D) Flow of water	
	(A) Flooding (E A stretch of land surrou	nded by water on all side		(D) Flow of water	
19.	(A) An island	(B) A strait	(C) A peninsula	(D) A bay	
	(2) All Island	(2)	(-) - Postanouna	(-)	

(C) Atmosphere over the layers

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(D) Middle zone



SECTION-A

- Q1. What is the difference between fracture and joints? Discuss importance of fracture and joint analysis.
- Q2. Discuss in detail the concept and terminology of faults. Discuss criteria for identification of faults.
- Q3. What are igneous rocks? Give in short, the mineralogical and textural classification of igneous rocks.
- Q4. Write briefly an overview of the major tectonics features of Pakistan.

SECTION-B

- Q5. Describe characteristic features for occurrence of Petroleum System in any Basin.
- Q6. Write in detail types, occurrence and uses of economic mineral deposits of Punjab.
- Q7. What is a landslide? Explain the types of slides and the factors that trigger landslides.