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

Roll Number

TIME ALLOWED: THREE				IMUM MARKS: 20
PART-I (MCQs) : MAXIM				IMUM MARKS: 80
NOTE: (i) First attempt PAR after 30 minutes. (ii) Overwriting/cutt				
(iii) There is no negat				7
	PART-I (MCQs)	COMPULS	SORY)	
(i) Select the best option/answ ii) Answers given anywhere e	ver and fill in the appr	Opriate Box	on the OM	R Answer Sheet.(20x1=20)
A wide variety of living org		Allswei Sile	ot, will not be	
	B) Population	(C) 1	Iabitat	(D) None of these
What percentage of oxygen				
(A) 20.95% and 0.004% (I			20.0% and 0.40	% (D) None of these
The set of ecosystems is call				
(A) Atmosphere (I	3) Hydrosphere	(C) 1	Biome .	(D) None of these
Acid rain is a result of:		1		
(A) Excess amount of CO ₂			Excess amount	of NH ₃
(C) Excess amount of SO ₂ ar			None of these	
The greenhouse effect in the				
(A) Absorption and re-emiss				
(B) Absorption and re-emiss				
(C) Absorption and re-emiss		the atmosphe	re	(D) None of these
The result of acid dispositio (A) Dying forests and lakes	(B) Acid indigestion i	in humana /	Common barren	-05-st (D) None of these
Biotic component of the env	(B) Acid indigestion i	clude:) Greenhouse	effect (D) None of these
(A) Micro-organism system			(C) Soil syste	m (D) None of these
Of the following agents, the	one that would not f	avor conver	(C) Son syste	diovide to sulfate species in
the atmosphere is:			oron or summi	around to summer species in
(A) Ammonia	(B) Water	(C)	Sunlight	(D) None of these ·
The pH of the atmosphere is				
(A) Acidic	(B) Basic		Neutral'	(D) None of these
An association has been four	nd between exposure	to		by the inhalation route
and lung cancer.				
(A) Lead (Pb) ·	(B) Chromium	(C)	Barium	(D) None of these
NEQ was approved on:				
(A) 1992	(B) 1993'	(C) 1		(D) None of these
The "Ramsar Convention"		treaty for t	he conservat	tion and protection of:
(A) Endangered species	(B) Biodiversity		Wetlands*	(D) None of these
A mutual relationship between	en two organisms, w	here both o	f them are ben	lefitting from watching the
other is called:	(D) Combinder	(0)	Danacitiem	(D) None of these
(A) Mutualism	(B) Symbiosis * ve as indicator for a		Parasitism	(D) None of these
	B) Endangered species			cies (D) None of these
Mangrove forests in Asia ar			I memenen sper	cita (b) Hone of these
(A) Pakistan	(B) Indonesia		Malaysia*	(D) None of these
An individual may die withi				
(A) CO ₂	(B) NO	(C)		(D) None of these
(A) CO ₂				ces in organisms as trophi
levels increase in a food cha				
	Bio-concentration	(C)	Bio-accumulati	on* (D) None of these
What is the order of waste n	nanagement hierarch			
(A) Prevention- Recycle-Reus		(B) I	revention-Reu	se-Disposal-Recycle
(C) Prevention-Reuse-Recycle		The state of the s	None of these	
Which gas produced in open	dumps from the an			biodegradable waste?
	(B) Methane	(C) I	ropene	(D) None of these
(A) Ethane		ecological z		()
Pakistan is divided into	(B) 10	(C)		(D) None of these
(A) 8 '	(B) 10	(C)	-	Page 1 of 2

PART-II

- Q1. What is the mechanism of ozone depletion? What chemicals in upper atmosphere are responsible for ozone layer depletion? What are the impacts of ozone layer depletion?
- **Q2.** What is the difference between an Environmental Impact Assessment (EIA) and an initial Environmental Examination (IEE)? List and explain the entire EIA process. Where in the project cycle should an EIA be initiated?
- **Q3.** One of the methods to control pollution problem is introduction of regulatory mechanisms, incentives and fines. In your opinion how can we control the smog problem by using one of those methods? How would you implement a plan at a city level to mitigate the smog problem?
- **Q4.** What is green house effect? What is the mechanism of green house effect? Which major air pollutants are responsible for causing global warming? Why is Pakistan considered more vulnerable to the effects of climate change when its contribution is less than 1% in total global GHG emissions?
- Q5. Discuss important components of Pakistan's National Climate Change Policy. What is the Impact of 18th amendment on Climate change policy formulation in Pakistan? How Pakistan an benefit from COP28?
- **Q6.** What is occupational health safety and management? Provide examples of at least five work places with possible associated exposure risks. how can such exposure risks be minimized/ controlled?
- Q7. Write short not on any two of the following:

United National Framework Convention on Climate Change (UNFCCC)

Kyoto Protocol

Eutrophication and its effects