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## B.Sc. (Part—II) Semester—IV Examination ENVIRONMENTAL SCIENCE

(Environmental Pollution)

Tin	ne : T	hree Hours]	[Maxir	num Marks: 80
		Note : All questions are comp	alsory and questions 2 to 7 carry equal n	narks.
1.	(A)	Fill in the blanks:		2
		(a) Unwanted sound is called _		1/2
		(b) gas protects life	rom UV rays.	1/2
		(c) Combination of smoke and fog in atmosphere is called		. 1/2
		(d) is major green house gas.		1/2
	(B)	Choose correct option:		
		(e) A gas associated with Bhopal Gas tragedy is		1/2
		(i) MIC	(ii) CO	
		(iii) PAN	(iv) O <sub>3</sub>	
		(f) is unit for no	bise.	1/2
		(i) μgm	(ii) dB	
		(iii) RAD	(iv) S-1	1/2
		(g) is ionizing radiat	ion.	1/2
		(i) r	(ii) microwave	
		(iii) IR	(iv) visible	
		(h) is unit for conductivity.		1/2
		(i) S <sup>-1</sup>	(ii) Ω	
		(iii) cm <sup>3</sup>	(iv) α	
	(C)	Answer in one sentence each :		
		(i) What is SPM ?-		1
		(j) What is the long form of C	FCs ?	1
		(k) Define acid rain.		1
		<ol> <li>Define aerosols.</li> </ol>		1
2.	(a)	Describe various categories of air pollutants.		4
	(b)	Define air pollution and give composition of normal air.		4
	(c)	Explain effects of NOx on human beings.		4
			OR	

## FirstRanker.com fünstnanker's choice example explain secondary air pollutant. www.FirstRanker.com Explain natural sources of air pollutants. Explain reactions of SO, in atmosphere and resultant effect. 4 (g) Explain any two quality characteristics of water. 4 (h) Describe factors affecting ground water pollution. 4 Explain various sources of oil pollutants in sea water. (i) Describe physical effects of oil in water. 4 (i) (k) Explain effects of domestic Sewage on Environment. 4 Explain effects of thermal pollution. 4 Discuss how Agricultural wastes, urban wastes and industrial wastes are polluting soil. 12 OR Discuss any three typical Soil pollutants and how soil pollution can be controlled. 12 5. (m) Explain industrial noise and transport noise. (n) Explain the concept of "Reduction of noise at source" with suitable example. 4 (o) Describe any two physiological effects of noise on human. 4 OR (p) Suggest any two control measures to control traffic noise. 4 (q) Explain any two psychological effects of noise on human being. 4 (r) Explain decibel along with various threshold limit values. 4 6. With the help of suitable reaction explain nuclear fission and is app leations. (s) 4 Describe early radioactive fallout. (t) 4 (u) Explain any two sources of radiations with typical radiations and its control. 4 (v) Explain mechanism of interaction of ionizing radiations to living thing. (w) Explain mechanism of delayed radioactive fallout. (x) Describe curie and rad as radiation units. Discuss causes, mechanism, effects and control measure for green house effect. 12 OR Define thermochemical and photochemical smog. Explain causes, mechanism and effect of sulphur smog. 12

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