## END TERM EXAMINATION

FIRST SEMESTER [B.TECH.] MARCH- 2023

	FIRST SEMI	ESTER [B.TECH.] MARCH- 2023
Paper	Code: BS-109	Subject: Environmental Studies
Time:	3 Hours	Maximum Marks: 75
Note:	Attempt five question	s in all including Q.No.1 which is compulsory. ne question from each unit.
Q1	oxygen is not. "Jus (b) Define mineral and (c) A sudden, uncont mountain slope is k (d) Coastal bays, constituteecc (e) The main cause of s (f) Which gases are res	mining.  rollable descent of a mass of Earth down a mown as
	(h) "Public awareness statement.	t of sustainable development.  leads to environmental protection. " Justify this (2) acid rain on environment. (3) (1)
		UNIT-I
Q2	prevent it. (b) What are food cha	n. What are its main causes? Suggest a few steps to (1,2,2) ains and food webs? Describe the food web of a m. Support your answer with a diagram. (4) pyramid of numbers of a forest ecosystem. (3) succession.
Q3	diagrammatically.  (b) What is the different	geochemical cycle? Describe the carbon cycle (1,2) nce between endangered and endemic species? (3) the threats to biodiversity. Suggest three combative me such threats. (3,3) the ex-situ conservation? (3)
		UNIT-II
Q4	(a) Write a short notes i. Radiation pollu ii. Vermicompost iii. Biomedical wa iv. Incineration v. Soil erosion	ing

	<ul> <li>(b) What are primary air pollutants? Give any three examples.</li> <li>(c) Explain any two methods to control particulate matter in air.</li> <li>(1,2)</li> <li>(2)</li> </ul>	
Q5	<ul> <li>(a) Describe the process of wastewater treatment in detail. Draw a flow diagram to support your answer.</li> <li>(b) How is noise classified on the basis of source?</li> <li>(c) Suggest any five measures to control noise pollution.</li> <li>(5)</li> </ul>	
	UNIT-III	
Q6	(a) What are energy-related urban problems? How can we control them?	
	(b) "Rainwater harvesting is an efficient tool of water conservation".  (4)  Justify this statement.	
	(c) What is waste-land reclamation? Explain with suitable examples. (4) (d) Explain the effect of consumerism on the environment. (4)	
Q7	(a) What do you mean by environmental ethics? What role do they play in reducing environmental hazards?  (3)	
	(b) Write a short note on Environmental Protection Act (1986) and (2,2)	
	(c) Explain the five stages of the environmental impact assessments (5)	
	process.  (d) "Nuclear energy is boon as well as bane for human civilization".  (3) Explain.	
	<u>UNIT-IV</u>	
Q8		
	(b) What is the difference between HIV and AIDS? How can we preven	
	HIV infection?  (c) Discuss the role of IT in environment and human health. Give some practical examples. (4)	,
	(d) Describe family welfare programme in detail.	
Q9	(a) Write short notes on following:-  i. Value education and the environment  (3x2=6)	
	ii. Oral Rehydration  (b) "Women and child welfare are very important for a sustainable environment." Discuss.	.e H)
	(c) What are the objectives of Universal Declaration of Human August 1	
	(d) Define population ageing, birth rate and growth rate.	3)

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