END TERM EXAMINATION

Pape	er (Code: BS-109 Subject: Environmental St	t: Environmental Studies	
Time: 3 Hours Maximum			Marks: 75	
No	ote	e: Attempt five questions including Q1 which is compulsory. Select one question from unit.	each	
Q1				
;	a)	"Phosphorous is a part of the sedimentary biogeochemical cycle while oxygen is not."	Justif	
	,	the statement.	(1)	
1	b)	Define mineral and mining.	(3)	
(c)	A sudden, uncontrollable descent of a mass of Earth down a mountain slope is known	as	
		?	(1)	
(d)	Coastal bays, river mouths, and tidal marshes constitute ecosystem.	(1)	
(e)	The main cause of genetic diversity is	(1)	
1	f)	Which gases are responsible for global warming?	(1)	
	g)	Explain the concept of sustainable development.	(1)	
1	h)	"Public awareness leads to environmental protection." Justify this statement.	(2)	
į	i)	List four effects of acid rain on environment.	(3)	
j	j)	Define biopiracy.	(1)	
		<u>UNIT-I</u>		
Q2				
	٠,١	Define defendation What are its main access? Consert a few atoms to manage it. /4	2 2\	
	a) L)	Define deforestation. What are its main causes? Suggest a few steps to prevent it. (1,		
	b)	What are food chains and food webs? Describe the food web of a grassland ecosyster Support your answer with a diagram.		
	ر)	Briefly explain the pyramid of numbers of a forest ecosystem.	(4) (3)	
	c) d)	Explain ecological succession.	(3)	
	uj	Explain ecological succession.	(3)	
Q3				
	a١	What is a biogeochemical cycle? Describe the carbon cycle diagrammatically.	(1, 2)	
	b)	What is the difference between endangered and endemic species?	(3)	
	c)	Discuss any 3 threats to biodiversity. Suggest 3 combative methods to overcome such		
	٠,	threats.	(3, 3)	
	d)	What is in-situ and ex-situ conservation?	(3)	
	,		(-)	
		<u>UNIT-II</u>		
Q4				
:	a)	Write a short note on Any Four of the following:		
	~1	(i) Radiation pollution		
		(ii) Vermicomposting		
		(iii) Biomedical waste		
		(iv) Incineration		

		(v) Soil erosion (2.5 X 4 =	10)
	b)	What are primary air pollutants? Give any 3 examples. (1	, 2)
	c)	Explain any 2 methods to control particulate matter in air.	(2)
Q5			
	a)	Describe the process of wastewater treatment in detail. Draw a flow diagram to support	
			1)
		How is noise classified on the basis of source?	(3)
	c)	Suggest any five measures to control noise pollution.	(5)
		<u>UNIT-III</u>	
Q6			
	a)	What are energy-related urban problems? How can we control them?	(3)
	b)	"Rainwater harvesting is an efficient tool of water conservation." Justify this statement.	(4)
	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 Wildlife Protection Act	۵,
	۵۱		, 2) (5)
	c) d)	Explain the 5 stages of the environmental impact assessment process. "Nuclear energy is boon as well as bane for human civilization." Explain.	(5) (3)
	uj		(3)
		<u>UNIT-IV</u>	
Q8			
	a)	What are the major contributory factors to world population growth?	(3)
	b)	What is the difference between HIV and AIDS? How can we prevent HIV infection?	(3)
	c)		(4)
	d)	Describe family welfare programme in detail.	(5)
Q9			
	a)	Write short note on following:	
		(i) Value education and the environment	
		(ii) Oral Rehydration (3 X 2 =	•
	p)	"Women and child welfare are very important for a sustainable environment." Discuss.	(4)
	q) c)	What are the objectives of Universal Declaration of Human Rights by United Nations?	(2)
	d)	Define population ageing, birth rate and growth rate.	(3)