

August/September 2022

B.Tech.(CSE(AIML)/CE/CE(DS))- IV SEMESTER

Environmental Sciences (MC-03)

Time: 3 Hours

Max. Marks:75

- Instructions:**
1. It is compulsory to answer all the questions (1.5 marks each) of Part -A in short.
 2. Answer any four questions from Part -B in detail.
 3. Different sub-parts of a question are to be attempted adjacent to each other.

PART -A			
Q1	(a)	What is Sustainable development?	(1.5)
	(b)	Give three causes of soil erosion.	(1.5)
	(c)	Define food chain and food web.	(1.5)
	(d)	Give one example each of endangered, extinct and endemic species.	(1.5)
	(e)	What are the impacts of ozone depletion on human beings.	(1.5)
	(f)	Name three renewable sources of energy?	(1.5)
	(g)	What is the need to study environmental issues?	(1.5)
	(h)	Give three uses of forest.	(1.5)
	(i)	What are primary and secondary air pollutants?	(1.5)
	(j)	When is Environment Day celebrated?	(1.5)
PART -B			
Q2	(a)	Explain the multi-disciplinary nature of Environmental Studies?	(8)
	(b)	How can you, as an individual, help in preventing environmental pollution.	(7)
Q3	(a)	What are the major threats to biodiversity? Explain the various methods of conservation of biodiversity.	(10)
	(b)	Explain the different types of pyramids giving suitable examples?	(5)
Q4		Write short note on any three	(15)
	(a)	Ecological succession	
	(b)	Hot spots of biodiversity	
	(c)	Alternative sources of energy	
	(d)	Solid waste management	
	(e)	Waste water treatment	
Q5	(a)	Briefly explain the adverse effects of noise on humans.	(5)
	(b)	Give an account of different sources and effects of water pollution.	(10)
Q6	(a)	How does improper disposal of solid wastes of society effects the human	(8)

health. Explain few diseases caused by such actions of community.

(b) Describe the environmental impacts of increasing population.

Q7 Write short notes on any three

(a) Effects of air pollution

(b) Acid rain

(c) Types and causes of floods

(d) Global Warming

(e) Rain water harvesting