

Code: 20MC1301

**II B.Tech - I Semester – Regular/Supplementary Examinations
DECEMBER 2022**

**ENVIRONMENTAL SCIENCE
(Common for CIVIL, CSE, IT)**

Duration: 3 hours

Max. Marks: 70

Note: 1. This paper contains questions from 5 units of Syllabus. Each unit carries 14 marks and have an internal choice of Questions.

2. All parts of Question must be answered in one place.

BL – Blooms Level

CO – Course Outcome

			BL	CO	Max. Marks
UNIT-I					
1	a)	Can you imagine how much forest degradation influences our life.	L4	CO2	7 M
	b)	“Mining has direct impacts on health and wellbeing of locals”. Justify the statement.	L3	CO1	7 M
OR					
2	a)	Point out the environmental problems associated with modern agriculture in India.	L4	CO2	7 M
	b)	Choose an alternate energy resource to minimise the present non-renewable energy crisis.	L3	CO1	7 M
UNIT-II					
3	a)	Categorise the structural components of an ecosystem.	L4	CO2	7 M

	b)	Show how the food chains balance the ecosystems.	L3	CO1	7 M
OR					
4	a)	Prioritize the importance of biodiversity to exist the life on this biosphere.	L4	CO2	7 M
	b)	Construct the In-situ & Ex-situ techniques to protect the animals and plants from poachers.	L3	CO1	7 M
UNIT-III					
5	a)	Imagine how CO, SO _x , NO _x effects the life on earth.	L4	CO3	7 M
	b)	Classify the sources, effects and control measures of noise pollution.	L4	CO4	7 M
OR					
6	a)	Identify the sources and control of water pollution in your area.	L4	CO3	7 M
	b)	Appraise the 3R's a hierarchy of waste management strategies to minimise waste.	L4	CO4	7 M
UNIT-IV					
7	a)	Sketch the measures that balance the needs to use resources and also conserve them for future sustainable developments.	L3	CO5	7 M
	b)	Is the sun causing global warming or the greenhouse gases. Identify the source and explain the consequences.	L4	CO4	7 M
OR					

8	a)	Analyse how CFC's affecting Ozone layer in atmosphere. Explain the consequences	L4	CO4	7 M
	b)	Categorize the Environmental impact assessment factors.	L4	CO5	7 M
UNIT-V					
9	a)	Infer the role of Information technology in environment and health.	L3	CO5	7 M
	b)	Identify the effective rules adopted to control population in India.	L4	CO4	7 M
OR					
10	a)	Identify the importance of Environment protection act.	L3	CO5	7 M
	b)	Outline the principles of Air Act.	L4	CO5	7 M