

Code: 20MC1402

**II B.Tech - II Semester – Regular / Supplementary Examinations
MAY - 2023**

ENVIRONMENTAL SCIENCE

(Common for ECE, EEE, ME)

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)	Differentiate the types of mining and discuss the impacts of mining with a case study in your local area.	L4	CO2	7 M
	b)	Choose the water conflicts in India and suggest some measures to overcome the water conflicts.	L3	CO1	7 M
OR					
2	a)	Classify the renewable and non renewable energy resources.	L4	CO2	7 M
	b)	Choose the factors influencing the soil erosion? Explain the types of soil conservation.	L3	CO1	7 M
UNIT-II					
3	a)	Construct the structural components of ecosystem?	L3	CO1	7 M

	b)	Exemplify what is ecological succession? Mention the types of succession.	L4	CO2	7 M
OR					
4	a)	Stride some techniques to conserve biodiversity.	L3	CO1	7 M
	b)	Elucidate Biodiversity and explain the types of biodiversity.	L4	CO2	7 M
UNIT-III					
5	a)	List out the sources, effects and control measures of Thermal pollution?	L4	CO3	7 M
	b)	Choose the sources, effects and control measures of Land pollution?	L4	CO3	7 M
OR					
6	a)	Classify the sources, effects and control measure of Nuclear hazard pollution?	L4	CO3	7 M
	b)	Categorize the types of Solid waste? Explain how to manage the Solid waste?	L4	CO3	7 M
UNIT-IV					
7	a)	Interrelate urban and rural energy utilization.	L4	CO4	7 M
	b)	Categorize GHE. Explain the consequences of Global warming.	L4	CO4	7 M
OR					
8	a)	Identify the different sources for Acid Rains and mention its effects.	L3	CO5	7 M
	b)	Categorize the different Environmental management plans.	L4	CO4	7 M

UNIT-V

9	a)	Employ the role of Information technology in environment and health.	L3	CO5	7 M
	b)	Identify the effective rules adopted to control pollution in Delhi.	L4	CO4	7 M
OR					
10	a)	Identify the importance of Environment protection act.	L3	CO5	7 M
	b)	Build the provisions of Water Act.	L3	CO5	7 M