

Code: 20MC1402

**II B.Tech - II Semester – Regular / Supplementary Examinations  
MAY - 2024**

**ENVIRONMENTAL SCIENCE  
(Common for ECE, EEE, ME, AIML, DS)**

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
<b>UNIT-I</b>					
1	a)	Discuss the Benefits and problems of construction of big dams.	L3	CO1	7 M
	b)	Explain the impacts of mining with a case study in your local area.	L4	CO2	7 M
<b>OR</b>					
2	a)	Explain the causes and consequences of deforestation in India.	L4	CO2	7 M
	b)	Discuss briefly about food resources.	L3	CO1	7 M
<b>UNIT-II</b>					
3	a)	Construct the structural components of ecosystem.	L3	CO1	7 M
	b)	Fabricate the Nutrient cycles with example of Nitrogen.	L3	CO1	7 M

<b>OR</b>					
4	a)	Interpret how man creating a threat to biodiversity.	L4	CO2	7 M
	b)	Explicate the importance of biodiversity.	L4	CO2	7 M
<b>UNIT-III</b>					
5	a)	Classify the sources, effects and control measures of Air pollution.	L3	CO4	7 M
	b)	Analyze the sources, effects and control measure of Marine pollution.	L3	CO4	7 M
<b>OR</b>					
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
<b>UNIT-IV</b>					
7	a)	Categorize GHE. Explain the consequences of Global warming.	L4	CO4	7 M
	b)	Interrelate urban and rural energy utilization.	L4	CO4	7 M
<b>OR</b>					
8	a)	Construct the steps involved in EIA.	L5	CO3	10 M
	b)	Analyze the concept of climate change.	L4	CO4	4 M
<b>UNIT-V</b>					
9	a)	Categorize the factors effecting population explosion and write the impacts of population on environment & Health.	L4	CO4	10 M

	b)	List the objectives of air act.	L4	CO4	4 M
<b>OR</b>					
10	a)	List out the principles of Forest Act.	L4	CO4	7 M
	b)	Identify the effective rules adopted to control pollution in Delhi.	L5	CO3	7 M