

Code: 20MC1402

**II B.Tech - II Semester – Supplementary Examinations
NOVEMBER 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.

<u>UNIT – I</u>			
1.	a)	Characterize the impacts of modern agriculture?.	7 M
	b)	Discuss the impacts of construction of big dams.	7 M
OR			
2.	a)	Identify what is deforestation? Explain the causes and consequences of deforestation in India.	7 M
	b)	Classify the renewable and non renewable energy resources.	7 M
<u>UNIT – II</u>			
3.	a)	Fabricate the Nutrient cycles with example of Carbon cycle.	7 M
	b)	Choose the different functional components of ecosystem.	7 M
OR			

4.	a)	Explicate the values of biodiversity.	7 M
	b)	Explain in detail about Man and wild life conflict.	7 M
<u>UNIT-III</u>			
5.	a)	Examine the sources, effects and control measures of Water pollution.	7 M
	b)	Classify the sources, effects and control measures of Noise pollution.	7 M
OR			
6.	a)	List out the sources, effects and control measures of Thermal pollution?	7 M
	b)	Analyse the role of individual protect environment from pollution	7 M
<u>UNIT – IV</u>			
7.	a)	Illustrate the concept of Sustainable development. Discuss the measures of sustainable development.	7 M
	b)	Construct the design for Rainwater harvesting.	7 M
OR			
8.	a)	Analyse the concept of Ozone depletion and mention its effect on environment & human health.	10 M
	b)	Apply the concept of green buildings.	4 M
<u>UNIT – V</u>			
9.	a)	Choose the different duties of wild life Act.	7 M

	b)	List out the guidelines of Air Act.	7 M
OR			
10.	a)	Employ the role of Information technology in environment and health.	10 M
	b)	List the measures of sustainable development.	4 M