

Code: 20MC1301

**II B.Tech - I Semester – Regular Examinations - FEBRUARY 2022**

**ENVIRONMENTAL SCIENCE**

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

Duration: 3 hours

Max. Marks: 70

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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.

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**UNIT – I**

1. a) Identify what is deforestation? Explain the causes and consequences of deforestation in India. 7 M  
b) Choose the water conflicts in India and suggest some measures to overcome the water conflicts 7 M

OR

2. a) Differentiate the types of mining and discuss the impacts of mining with a case study in your local area. 7 M  
b) “The world is in crisis of Non- renewable energy resources”- comment. And suggest the best alternate energy resource. 7 M

**UNIT – II**

3. a) Construct the structural components of ecosystem. 7 M  
b) Identify different biodiversity “Hot spots” present in India. 7 M

OR

4. a) Stride some techniques to conserve biodiversity. 7 M  
b) Exemplify what is ecological succession? Mention the types of succession. 7 M

### **UNIT-III**

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) Classify the sources, effects and control measure of Nuclear hazard pollution. 7 M
- b) Categorize the types of E-Waste. Explain how to manage E-Waste? 7 M

### **UNIT – IV**

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. 7 M
- b) Construct the steps involved in EIA. 7 M

### **UNIT – V**

9. a) Build the provisions of Water Act? 7 M
- b) Choose the different duties of wild life Act? 7 M

OR

10. a) List the measures to take women and child welfare. 7 M
- b) Employ the role of Information technology in environment and health. 7 M

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