

**II B. TECH II SEMESTER REGULAR EXAMINATIONS, JULY - 2022**  
**ENVIRONMENTAL SCIENCE**  
**(ELECTRICAL AND ELECTRONICS ENGINEERING)**

Time: 3 hours

Max. Marks: 70

**Note:** Answer **ONE** question from each unit (**5 × 14 = 70 Marks**)

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UNIT-I

1. a) Explain the Importance of Environmental Science? [7M]  
b) Describe the Affects and Effects of Deforestation? [7M]

(OR)

2. a) Explain the Impacts of Mining on Environment? [7M]  
b) Discuss the benefits and problems of Big Dams? [7M]

UNIT- II

3. a) Explain the structure of an Ecosystem in detail? [7M]  
b) Describe the values of Biodiversity? [7M]

(OR)

4. a) Illustrate about the Functions of an Ecosystem in detail? [7M]  
b) Discuss the various Conservation measures of Biodiversity? [7M]

UNIT-III

5. a) Explain about Bhopal Gas Tragedy and Chernobyl Nuclear Disaster? [7M]  
b) Discuss about the floods and cyclones along with case studies? [7M]

(OR)

6. a) Explain the Causes, Effects and Control measures of Water pollution? [7M]  
b) Describe about the Solid waste disposable methods? [7M]

UNIT-IV

7. a) Define Sustainable Development and Explain the Measures to Achieve Sustainable Development? [7M]  
b) Explain about Environmental Protection Act, 1986? [7M]

(OR)

8. a) Discuss about various water conservation measures and [7M]  
explain about rain water harvesting structure?
- b) Explain about Water Prevention and control of Pollution Act, [7M]  
1974?

UNIT-V

9. a) Explain the various Population Characteristics? [7M]
- b) Explain about the Industrial Field Visit report and [7M]  
Environmental Protection Measures adopted by the Industry?

(OR)

10. a) Explain the Role of IT in Environment and Human Health? [7M]
- b) Describe about the Field Visit on a River Ecosystem? [7M]

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