

**III B. TECH I SEMESTER REGULAR EXAMINATIONS NOVEMBER - 2022**  
**ENVIRONMENTAL SCIENCE**  
**(COMMON TO CIV, MEC AND ECE BRANCHES)**

**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) Define a Forest resource and explain the Uses and [7M]  
Overexploitation of forest resources.
- b) Define Energy Resource and Discuss the types of Energy [7M]  
Resources along with diagrams.

(OR)

2. a) Discuss the Conflicts of water with a case study. [7M]
- b) Explain the various effects of Mining on environment with a [7M]  
case study.

UNIT-II

3. a) Analyse the structure and functions of an ecosystem. [7M]
- b) Explain the two Conservation methods of biodiversity. [7M]

(OR)

4. a) Explain the major threats of bio diversity. [7M]
- b) India is a Mega Diversity Nation, Justify the Statement along [7M]  
with examples?

UNIT-III

5. a) Define Water Pollution and Explain the control measures of [7M]  
water pollution with a flow chart of sewage treatment plant?
- b) Define E-waste, and discuss about E-waste management in [7M]  
India?

(OR)

6. a) Explain the causes, effects and control measures of Soil [7M]  
Pollution.
- b) Define Disaster management and explain about disaster [7M]  
management in India along with a case study.

UNIT-IV

7. a) Define Sustainable development and discuss about sustainable development goals of the world. [7M]  
b) Discuss the salient features of Environmental protection Act, 1986. [7M]

(OR)

8. a) Define and Discuss Resettlement and Rehabilitation-Issues and possible solutions of Big Dams with a case study. [7M]  
b) Explain the salient features of Water (prevention and control of Pollution) Act, 1974 and what are the penalties given to the industries for violation of the water act, 1974? [7M]

UNIT-V

9. a) Explain the role of Information Technology in Environment and Human Health. [7M]  
b) Write a Field Visit Report on a Forest Ecosystem along with its structural and functional features. [7M]

(OR)

10. a) Discuss Population explosion and its effects on environment and human health with examples. [7M]  
b) Give a Report on Environmental Management Measures adopted by the Industry on your Field Visit. [7M]

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