

1604-23-737-060

Code No: F-13620/N/BL/AICTE

**FACULTY OF ENGINEERING**

**B.E. (ECE/ETE/M/P/CS/AE/AI&DS/AI&ML/IoT/IT) II - Semester (AICTE) (Main & Backlog) (New)**  
**Examination, August/September 2024**

**Subject: Environmental Science**

**Time: 3 Hours**

**Max. Marks: 70**

**Note: (i) First question is compulsory and answer any four questions from the remaining six questions. Each question carries 14 Marks.**

**(ii) Answer to each question must be written at one place only and in the same order as they occur in the question paper.**

**(iii) Missing data, if any, may be suitably assumed.**

1. a) What is the importance of Environmental science?  
b) Give an example of how an ecosystem works.  
c) Mention the biodiversity levels.  
d) List causes and effects of noise pollution.  
e) Define Climate change.  
f) Define the food chain and provide examples.  
g) What is acid rain?
2. a) List the negative impacts that timber extraction has on tribes and forests.  
b) Explain how modern agriculture affects the environment.
3. a) Define the ecological pyramids. Why do energy pyramids always stand upright?  
b) Summarize India's biogeographic zones.
4. a) Give examples that demonstrate the threats to biodiversity.  
b) Which are the different methods to biodiversity conservation?
5. a) Demonstrate how air pollution affects individuals, objects, plants, and animals.  
b) Describe the significance of environmental protection legislation.
6. a) Write down what you think about managing watersheds.  
b) What kinds of disasters exist, and discuss the cycle of disaster management.
7. a) Write a detailed note about the connection between desertification and soil erosion.  
b) Discuss the ecosystem's structure.