

FACULTY OF ENGINEERING

**B.E.(Civil/EEE/EIE/CSE/CME/DS) I-Semester (AICTE) (Main & Backlog) (New) Examination,
February / March-2023**

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 questions 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) Define ecological succession with an example.
(b) Briefly describe Food chains with the help of flow chart.
(c) Give reason why India is considered as mega biodiversity nation.
(d) List the basic principles of Disaster mitigation.
(e) List out at least three endemic and three endangered species of India.
(f) What are the control methods of Noise pollution?
(g) Make a note on the legal acts taken to protect water resources.
2. (a) Explain the importance, need for public awareness of environmental studies.
(b) What is surface water? Give some examples of over utilization of surface and ground water.
3. (a) Explain the structure of Ecosystem with suitable examples.
(b) Discuss about the energy flow in an ecosystem.
4. (a) Write about threats to Biodiversity and explain the conservation methods of Biodiversity.
(b) Write short notes on bio-geographical classification of India.
5. (a) Make a note on municipal solid waste management and handling rules.
(b) Explain the salient features of wild life Act in detail
6. (a) Discuss the causes, effects and control measures of Ozone layer depletion.
(b) Write a brief note on environmental ethics.
7. (a) Write a brief note on: (i) Non-renewable resources (ii) Renewable resources
(b) Describe some of the case studies which explain the effect of over exploitation of natural resources.
