

1608-21-735-073

Code No. D-2341/N/BL/AICTE

FACULTY OF ENGINEERING
B.E. (ECE/M/P/AE/AI&DS/AI&ML/IoT/IT) II - Semester (AICTE) (Main & Backlog) (New)
Examination, September/ October - 2022

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) Enumerate various methods of water conservation.
(b) Enumerate various levels of Biodiversity with examples.
(c) What is biomagnification?
(d) Write briefly how human activities can introduce thermal pollution into streams.
(e) Write short notes on Environmental Ethics.
(f) "Ecosystem regulates itself". Justify the statement.
(g) How do you control soil pollution caused by pesticides and garbage?
2. (a) Write the control measures of floods and draughts.
(b) Differentiate between renewable and non-renewable energy resources.
3. (a) What are ecological pyramids? Explain why some of these pyramids are upright while others are inverted in different ecosystems.
(b) Why should natural ecosystem and various forms of species be protected?
4. (a) Distinguish between endangered and endemic species with examples.
(b) Describe the various threats to biodiversity.
5. (a) What are the major sources of soil pollution? How does soil pollution affect the soil productivity?
(b) Give a comparative account of urban and industrial wastes in terms of their sources characteristics, management and disposal methods
6. (a) Write the causes, effects and control measures of global warming.
(b) Define disaster management. Explain the causes, impacts and mitigation measures for earthquakes.
7. (a) Write the causes, effects and mitigation measures of landslides.
(b) With the help of a neat sketch discuss the transfer of energy in ecosystem.