

BEN-A103 [B.TECH]
SEMESTER EXAMINATION-DECEMBER 2023
SEMESTER: I
ENVIRONMENTAL STUDIES

Time: 3 hour

Max. Marks: 70

Note: Question Paper is divided into two sections: **A** and **B**. Attempt both the sections as per given instructions.

SECTION-A
(SHORT ANSWER TYPE QUESTIONS)

Instructions: Answer any **five** questions in about 150 words each. Each question carries six marks.
($5 \times 6 = 30$ Marks)

Question-1: Justify Environmental Studies is a multidisciplinary subject. ✓

Question-2: Explain the ecological succession its type and processes. ✓

Question-3: Explain the causes and consequences of deforestation. ✓

Question-4: Explain various effects of mineral extraction on environment. ✓

Question-5: Justify India is a mega diverse nation.

Question-6: Cite the problems associated with ozone layer depletion.

Question-7: Explain air pollution its effects and controlling measures. ✓

Question-8: Explain various urban problems related to energy.

Question-9: Explain the process of water conservation with rain water harvesting.

Question-10: Cite the objectives and salient features of EPA (1986). Why it is known as Umbrella Act?

SECTION-B (LONG ANSWER TYPE QUESTIONS)

Instructions: Answer any *four* questions in detail. Each question carries 10 marks.
 $(4 \times 10 = 40 \text{ Marks})$

Question-1: Illustrate structure and functions of an ecosystem with example of pond ecosystem.

Question-2: Illustrate Biodiversity its levels, threats and conservation approaches.

Question-3: Classify various energy resources with advantages and disadvantages of renewable and non renewable resources.

Question-4: Describe disaster management, resettlement and rehabilitation.

Question-5: Illustrate the definition, key concepts and objectives of sustainable development and explain the major obstacles in the path of sustainable development.

Question-6: Comment and justify -With increasing consumerism, the increased disposal of waste has created problems to environment.

Question-7: Explain the role of government in environmental protection. Discuss environmental legislations in detail.

Question-8: Illustrate objectives of environment education and need of public participation to conserve and protect the environment.