



End Term (Even) Semester Examination May-June 2025

Roll no. 2494027

Name of the Program and semester: B. Tech and 2nd Sem

Name of the Course: Environmental Science

Course Code: TEV-201

Time: 3-hour

Maximum Marks: 100

Note:

- (i) All the questions are compulsory.
- (ii) Answer any two sub questions from a, b and c in each main question.
- (iii) Total marks for each question is 20 (twenty).
- (iv) Each sub-question carries 10 marks.

Q1.

(2X10=20 Marks)

- a. Explain the term ecosystem? Also explain energy flow and ecological succession in detail. CO1
- b. Describe the different segments of the environment and also explain its multidisciplinary nature. CO1
- c. Discuss the importance and need for public awareness in environmental protection. CO1, CO5

Q2.

(2X10=20 Marks)

- a. Critically examine the socio-environmental impact of large dams on forest ecosystems and tribal populations using relevant case studies. CO2
- b. Discuss the environmental consequences of deforestation and mining. CO2
- c. Discuss the importance of biodiversity conservation and distinguish between in-situ and ex-situ methods. CO2

Q3.

(2X10=20 Marks)

- a. Write a note on the effects and control measures of thermal and noise pollution. CO3
- b. Define solid waste management and discuss its types and control measures. CO3
- c. Discuss the complex interrelationship between modern agriculture practices and land degradation, citing real-world examples. CO3, CO4

Q4.

(2X10=20 Marks)

- a. Describe the effects of global warming and ozone layer depletion. CO4
- b. Describe the Environmental Protection Act with its merits and demerits. CO4
- c. Describe the role of Information Technology in environmental and human health. CO5

Q5.

(2X10=20 Marks)

- a. Describes flood, drought, landslides and earthquake in details. CO5
- b. Discuss the impact of population growth on the environment and human health. CO5
- c. Assess the effectiveness of rainwater harvesting and watershed management in mitigating water resource challenges in semi-arid regions. CO5