



End Term (ODD) Semester Examination Dec 2025

Roll no.

Name of the Program and semester: **Environmental sustainability Science/Studies**

Name of the Course: **Non- B. Tech**

Course Code: EVS 101, BBA 107, EVAC 101, MVAC 101, PVAC 101, CVAC 101

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. Discuss the substantial role of environmental study for the sustainable development.
- b. Discuss the Biotic and Abiotic components of Ecosystem with suitable figure and Examples.
- c. Define the terms **Ecosystem, Producer, Decomposer, Food chain, and Atmosphere.**

CO1

Q2. (2X10=20 Marks)

- a. Define the Natural resources. Discuss the forest as a resource their values and threats to this resources.
- b. Discuss the benefits and limitations of alternative resources of energy with references to Biogas and Hydro power energy.
- c. Define the **Ecological Pyramids of Numbers, Detritus Food chain, Ecological succession, Soil and Natural resources.**

CO1

Q3. (2X10=20 Marks)

- a. Define the **Hot spot area, Genetic diversity, Biosphere reserve, Wetlands and Ex-situ conservation.**
- b. Discuss the Biodiversity conservation methods.
- c. Discuss the advantages and disadvantages of Hydropower projects Dams in hilly area.

CO1

Q4. (2X10=20 Marks)

- a. Define the pollution. Discuss the Waste water treatment methods with suitable figure.
- b. Define the waste. Discuss the method for non-degradable waste material with suitable examples and figures.
- c. Discuss the long term air pollution effects with respect to **Acid rain and Ozone Depletion.**

CO1 & CO2

Q5. (2X10=20 Marks)

- a. Discuss the government policies or program which are helpful for the women and girls child welfare.
- b. Explain the role of Information technology for the conservation of nature and natural resources.
- c. Define the terms Disaster. Faults types, seismic waves and Earthquake management strategy with figure or examples.