



Term Evaluation (Odd) Semester Examination September 2025

Roll no.....

Name of the Course: BBA, B.Sc. (Physics, Chemistry, Math), BAJMC, BA (English)

Semester: 1st

Name of the Paper: Environmental Science and Sustainability, Environmental Education, Environmental Science

Paper Code: BBA-107, PVAC-101, CVAC-101, MVAC-101, EVS-101, EVAC-101

Time: 1.5 hour

Maximum Marks: 50

Note:

- (i) Answer all the questions by choosing any one of the sub-questions
- (ii) Each question carries 10 marks.

Q1. (10 Marks)

a. Define Environmental Science. Explain its multidisciplinary nature with suitable examples. (CO-1)

OR

b. Discuss the scope and importance of Environmental Science in the context of sustainable development. (CO-1)

Q2. (10 Marks)

a. With suitable diagrams, explain the pyramid of numbers, biomass, and energy. Discuss their significance. (CO-1)

OR

b. Write a comparative note on the characteristics and functions of: (CO-1)

i) Grassland ecosystem

ii) Desert ecosystem

iii) Aquatic ecosystem (anyone: pond/lake/river/ocean/estuary)

Q3. (10 Marks)

a. Explain the environmental effects of extracting and using mineral resources with a suitable case study. (CO-2)

OR

b. Describe the major issues related to food resources in the world? Discuss the role of modern agriculture in solving and creating problems. (CO-2)

Q4. (10 Marks)

a. Discuss the increasing demand for energy resources. Explain how alternate energy sources can help in sustainable development. (CO-2)

OR

b. Write short notes on: (CO-1,2)

i) Land degradation

ii) Soil erosion and desertification

iii) Wasteland reclamation

Q5. (10 Marks)

a. Define biodiversity and describe its levels (genetic, species, ecosystem). Why is biodiversity valuable? (CO-1,2)

OR

b. Explain in-situ and ex-situ conservation strategies for biodiversity. Give examples of each from India. (CO-1,2)