

M.Sc. (Botany) Semester - 3 (CBCS) Examination
OCT/NOV-2024 (AS PER SYLLABUS YEAR JUNE-2024)
Plant Ecology (Core (New-23))

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
-

Q. 1 Do as direct (any seven out of eight questions each of two marks) (14)

- 1) Explain ecad.
- 2) State the criteria for critically endangered category of IUCN.
- 3) What is the shape of biomass of pyramid in grassland ecosystem? Describe it.
- 4) Describe the organic matter of soil composition.
- 5) Write the principle of liebig's law of minimum.
- 6) Describe the significance of ozone layer.
- 7) What are the components of geographic information system?
- 8) What are the impacts of desertification?

Q. 2 Answer the following (Any Two Questions) (14)

- 1) Explain the qualitative characteristics of plant community.
- 2) Write a full form of NBA and GSBB and describe it in detail.
- 3) Describe the hydrosere succession.

Q. 3 Answer the following (Any Two Questions) (14)

- 1) Write a detail note on properties of soil.
- 2) What is biogeochemical cycle? Explain the phosphorus cycle.
- 3) Describe models of energy flow with diagram

Q. 4 Answer the following (Any Two Questions) (14)

- 1) Define the ecological factor and explain in detail light factor.
- 2) What is environmental Impact Assessment? Describe the process of EIA.
- 3) Describe the sources, trends and role of greenhouse gases

Q. 5 Answer the following (Any Two Questions) (14)

- 1) Explain the major causing of desertification.
- 2) Describe the application of GIS in environmental management.
- 3) Write a note on Remote Sensing.
