

**M. Sc. (Final) Examination, 2001**

**BOTANY**

**Fourth (F) Paper**

**(Environmental Biology)**

Time—Three Hours  
Maximum Marks—100

Attempt any **FIVE** questions,  
selecting at least **TWO** questions from each section.  
All questions carry equal marks.

**SECTION - A**

1. What type of climate favours the formation of grasslands? Give an account of the major types of the grassland world and write their distribution on the earth.
2. Discuss the following:
  - (a) Grasslands of Rajasthan.
  - (b) Ecology of fire in grasslands.
3. Suggest steps you would like to take for conservation and management of grasslands.
4. Explain the following:
  - (a) Grasslands are able to flourish well in nitrogen deficient soils.
  - (b) Diel cycles and its causes.
5. What is Eutrophication? Give an account of organic matter production in freshwater ecosystem.

**SECTION B**

6. Give an account of sources of air pollution and their effects on plants.
7. What are the natural resources of your area? What steps would you take to conserve them?
8. Write notes on:
  - (a) Biosphere reserves
  - (b) Threatened plants of India with special reference to Rajasthan.
9. What are solid waste? Give an account of solid waste management.
10. Write notes on any **TWO** of the following:-
  - (a) Reclamation of wastelands.
  - (b) Remote sensing.
  - (c) Non-conventional sources of energy.