

**Second Year Examination of the  
Three Year Degree Course, 2001**

**ENVIRONMENTAL BIOLOGY**

**Third Paper**

**(Terrestrial Ecology)**

Time : 3 Hours

[ Maximum Marks :50]

Attempt any **five** questions,  
selecting at least **one** question from each unit,  
All questions carry equal marks.

**UNIT - I**

1. What are Physico-Chemical factors in Terrestrial Eco-system?  
Discuss in brief. 10
2. Write short notes on any **two** : 5+5
  - (a) Grassland environment
  - (b) Food chain
  - (c) Grassland and soil water conservation.

**UNIT-II**

3. Give the basis of grassland classification. Describe the grasslands in World and India with special reference to Rajasthan. 3+3+4
4. What is Range management? Give its significance. 6+4

**UNIT-III**

5. Give the major forests of World and Indian flora. 5+5
6. Write short notes on any **two** : 5+5
  - (A) Forest environment
  - (B) Coniferous forest.
  - (C) Tropical rain forest.

#### UNIT-IV

7. What is desertification? Describe the cause and control methods of it. 4+3+3
8. Write short notes on any **two** : 5+5
- (A) climate of desert.
  - (B) Thar Desert
  - (C) Hot and Cold desert.

#### UNIT-V

9. With reference to the flora and fauna of Indian desert give a brief account of dryland farming. 5+5
10. Write short notes on any **two** : 5+5
- (A) Solar energy
  - (B) Agroforestry
  - (C) Arid-Forestry Research Institutes (AFRI)