

B.Sc. (With Credits)-Regular-Semester 2012 Sem V
B.Sc.3508 - Botany Paper-II (Plant Ecology)

P. Pages : 2

Time : Three Hours



GUG/S/18/3357

Max. Marks : 50

- Notes : 1. All questions are compulsory and carry equal marks.
2. Illustrate your answers with suitable examples and draw well labelled diagrams wherever necessary.

1. What is Atmosphere? Explain Temperature as an Ecological factor. **10**

OR

Write note on:

- a) Ecological Pyramids **5**
b) Carbon cycle **5**

2. What is synecology? Write in details on the composition of plant community. **10**

OR

Write notes on :

- a) Hydrosere **5**
b) Ecological Adaptation in Xerophytes **5**

3. Write short notes on- **2½x4=10**

- a) Physical properties of soil.
b) Food chain
c) Interaction among population
d) Botanical Zones.

OR

- e) Significance of Ecology. **2½x4=10**
f) Food web
g) Growth Curve
h) Epiphytes.

4. Write short notes on: **2½x4=10**
- a) Effect of Light on plants
 - b) Control of water pollution
 - c) Characters of Ecotypes.
 - d) Causes of plant succession.

OR

- e) Effect of Temperature on plant Growth **2½x4=10**
- f) Control of Air pollution
- g) Types of Ecotype.
- h) Monoclimax Theory

5. Write answers of **any ten** in two or three lines only (Diagrams are not necessary) **1x10**

- a) Ozone
- b) Sciophytes
- c) Pedogenesis
- d) Synergism
- e) Hydrocarbons
- f) Global radiations
- g) Abundance.
- h) Biological spectrum
- i) Endemism
- j) Halophyte
- k) Parasitism
- l) Polyclimax
