

M.Sc. (Previous) Degree Examination, August / September 2009

Directorate of Distance Education

BOTANY (FRESHERS)

Paper - III : Plant Ecology and Plant Geography

Time : 3 Hours

Max. Marks : 85

Note:(1) Answer all the questions.

(2) Draw diagrams wherever necessary

I. Answer any SEVEN of the following:

7x4=28

1. Food chain
2. Decomposers
3. Ecotone
4. Synecology
5. Primary productivity
6. Greenhouse effect
7. Ecosystem model
8. Microclimate
9. Electromagnetic spectrum
10. Bioenergetics

II. Answer any THREE of the following:

3x9=27

11. Flow of energy in the eco system.
12. Biomagnification
13. Concept of ecological succession
14. Dispersal mechanisms
15. Mechanism of dispersal in plants.

III. Answer any TWO of the following:

2x15=30

16. Write the sources and effects of primary air pollutants.
17. Describe the structure and function of lentic ecosystem.
18. Give a detailed account of origin and distribution of coffee and tea.
19. Discuss the biogeochemical cycle with an illustration from gaseous cycle.
