

(DBOT 02)

M.Sc. (Previous) DEGREE EXAMINATION, DECEMBER 2008.**First Year****Botany****Paper II — SYSTEMATICS OF ANGIOSPERMS AND PLANT ECOLOGY****Time : Three hours****Maximum : 100 marks****SECTION A — (5 × 8 = 40 marks)****Answer any FIVE questions.****Each question carries 8 marks.**

1. Deciduous forests.
2. Alpha taxonomy.
3. Criteria of plant classification.
4. Plant taxa.
5. Biological magnification.
6. Concept of climax.
7. Alternate energy resources.
8. Edemism.

SECTION B — (4 × 15 = 60 marks)**Answer ALL questions.****Each question carries 15 marks.**

9. (a) Describe the present vegetation types in India.
Or
(b) Give a comparative account on the natural and phylogenetic systems of plant classification.
 10. (a) Give a detailed account of International code of botanical nomenclature.
Or
(b) Discuss the role of cytology and phytochemistry in plant taxonomy.
 11. (a) Describe the succession in plant communities using a suitable example.
Or
(b) Describe the biogeochemical cycle of nitrogen.
 12. (a) What is environmental pollution? Discuss the causes and consequences of water pollution.
Or
(b) Give an account of the conservation of natural resources of energy.
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