

(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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