

(DBOT 02)

M.Sc. (Previous) DEGREE EXAMINATION,
JUNE 2010.

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. Linnaceus system of classification.
2. Demerits in Bentham and Hooker system of classification.
3. Intraspecific categories.
4. Contributions of Anatomy to Taxonomy.
5. Energy flow.
6. Homeostasis.

7. Control of pollution.
8. Endemism.

SECTION B — (4 × 15 = 60 marks)

Answer ALL questions.

Each answer carries 15 marks.

9. (a) Compare and contrast the systems of classification of Engler and Grantl and Hutchinson.

Or

- (b) Describe the vegetation types India with suitable examples.

10. (a) Give an account of International code of Botanical Nomenclature.

Or

- (b) What are the contributions of cytology in resolving taxonomic disputes?

11. (a) Describe biogeochemical cycles with reference to Nitrogen.

Or

- (b) Describe succession in plant communities.

12. (a) Write an essay on principles of plant geography.

Or

(b) What steps do you recommend for conservation of natural resources.
