

(DBOT 02)

M.Sc. DEGREE EXAMINATION, DECEMBER 2011.

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.

1. Linnaeus system of classification.
2. Demerits in Hutchimson system of classification.
3. Intraspecific categories.
4. Contribution of geography to taxonomy.
5. Biological magnification.
6. Energy flow.
7. Alternate energy sources.
8. Endocrines.

SECTION B — (4 × 15 = 60 marks)

Answer ALL questions.

9. (a) Give an account of any post - Darurnan system of classification studied by you.

Or

- (b) Describe the present plant distribution in India with examples.

10. (a) Write an essay on plant nomenclature.

Or

- (b) Explain the role of cytology in resolving taxonomic disputes.

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

Or

- (b) Enumerate the salient features of population interactions.

12. (a) Describe the floristic regions of the world.

Or

- (b) Give an account of conservation of natural resources.