

(DBOT 21)

M.Sc. (Final) DEGREE EXAMINATION,
DECEMBER 2010.

Second Year

Botany

Paper V — DEVELOPMENT BIOLOGY OF
ANGIOSPERMS AND ETHNOBOTANY

Time : Three hours

Maximum : 100 marks

SECTION A — (5 × 8 = 40 marks)

Answer any FIVE questions.

Each question carries 8 marks.

1. Polyembryoms.
2. Embryosac manstoria.
3. Meristems.
4. Anomalous secondary growth in the family Bignoniaceae.
5. Ayurveda.
6. Sacred groves in Andhra Pradesh.

7. Phytochemicals.
8. Tribal communities in A.P.

SECTION B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

9. (a) Describe the developmental process of female gametophyte in angiosperms.

Or

- (b) Describe the structure and development of embryo.

10. (a) Describe the anomalous secondary growth in monocots.

Or

- (b) Write a comparative account on the anatomical features of stem and leaf in dicot plants.

11. (a) Define ethnobotany. Explain the concept and scope.

Or

- (b) Explain sacred groves and add a note on their significance.

12. (a) Describe the cultivation of medicinal plants in A.P..

Or

- (b) Explain the importance of phytochemicals in modern medicine.
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