

**(DBOT 21)**

M.Sc. (Final) DEGREE EXAMINATION, JUNE 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. Incompatibility.
2. Endosperm.
3. Xylem.
4. Lateral meriting.
5. Scope of ethnobotany.
6. Sacred groves in Andhra Pradesh.

7. Tribal rights.
8. Scientific evaluation of medicinal plants.

SECTION B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

9. (a) Enumerate the salient features of apomixes.

Or

- (b) Explain the development of seed.

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

Or

- (b) Write a comparative account on the anatomical features of primary root and stem of monocot plants.

11. (a) Trace the history of traditional medicine in India.

Or

- (b) Explain the strategies to conserve sacred groves.

12. (a) Describe the role of photochemicals in modern medicine.

Or

(b) Write an essay on ethmobotanical research in India.

---