

(DBOT 21)

M.Sc. DEGREE EXAMINATION, DECEMBER 2009.

Second Year

Botany

Paper V — DEVELOPMENT BIOLOGY OF ANGIOSPERMS AND ELTHANOBOTANY

Time : Three hours

Maximum : 100 marks

SECTION A — (5 × 8 = 40 marks)

Answer any FIVE of the following.

1. Polyembryony.
2. Integumentary Tapetam.
3. Modified Leaf Anatomy.
4. Secondary Xylem elements of Root.
5. Yanadi Tribes.
6. Conservation of Sacred groves.
7. Glycosides.
8. Two Tribal Medicinal Plants.

SECTION B — (4 × 15 = 60 marks)

Answer ALL questions.

9. (a) Enumerate the events in Pollen-Pistil interaction that leads to Fertilization in Angiosperms.

Or

- (b) What is Apomixis? Discuss the various methods exhibited by apomictic plant reproduction.
10. (a) Write in detail about the Root Anatomy and their anomalies.

Or

- (b) Role of xylem and phloem in the secondary growth of stem.
11. (a) Write about some Medicinal plants of Tribal Medicine, their formulations and therapeutic values.

Or

- (b) Discuss in detail about the Conservation strategies of sacred groves taken by the Government and the people.
12. (a) What are the major Phytochemicals and their role in modern Medicine?

Or

- (b) Give some scientific evidences of Ethno medicinal plants.
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