

**(DBOT 21)**

**M.Sc. (Final) DEGREE EXAMINATION, MAY 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.**

**Each question carries 8 marks.**

1. Self Incompatibility.
2. Apomixis.
3. Telome theory.
4. Anomalous Root growth.
5. Describe one sacred grove of A.P.
6. Ethno medicine.
7. Alkaloids.
8. Tribal Medicinal Formulae.

**SECTION B — (4 × 15 = 60 marks)**

**Answer ALL questions.**

**Each question carries 15 marks.**

- 9.** (a) Write an account on the ultra structure of mature eight nucleate Embryosac in Angiosperms.

**Or**

(b) Discuss the cytology. Types and development of Endosperm in Angiosperms indicate the role of endosperm hastoria.

- 10.** (a) Give a detail account of Stem Anatomy, in comparison with Dicots and Monocots.

**Or**

(b) Discuss in detail about the Phloem Components and their role in Secondary growth.

11. (a) What is the significance of Ethnobotany with reference to A.P. Tribal Medicine.

**Or**

- (b) Write about one important sacred grove, its medicinal and traditional values.

12. (a) Write about the IPR and Patent rights in relation to Ethnobotany.

**Or**

- (b) Write in detail about the Cultivation of one important Medicinal Plant of A.P.

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**(DBOT 22)**

**M.Sc. (Final) DEGREE EXAMINATION, MAY 2009.**

**Second Year**

**Botany**

**Paper VI — MICROBIOLOGY, MYCOLOGY AND PLANT DISEASES**

**Time : Three hours**

**Maximum : 100 marks**

**SECTION A — (5 × 8 = 40 marks)**

**Answer any FIVE questions.**

**Each question carries 8 marks.**

- 13. Thermophilic bacteria.
- 14. Phosphate solubilizers.
- 15. Plasmodium.
- 16. Aflatoxins.
- 17. Phytoalexins.
- 18. Latent infections.
- 19. SAR.
- 20. Agrocins.

**SECTION B — (4 × 15 = 60 marks)**

**Answer ALL questions.**

**Each question carries 15 marks.**