

M.Sc. (BOTANY) (Final) DEGREE EXAMINATION :: MAY 2006**Paper - V : DEVELOPMENTAL BIOLOGY OF ANGIOSPERMS AND ETHNOBOTANY**

Time: Three hours

Maximum : 100 Marks

Answer any FIVE questions from Section - A**Each question carries 8 marks****Also answer ALL the question from Section - B****Each question carries 15 marks****SECTION - A****(5 X 8 = 40 marks)**

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| 1. Development of Anther wall | 2. Apomixis |
| 3. Tunica - Corpus theory | 4. Kranz anatomy |
| 5. Anomalous secondary growth in <u>Dracaena</u> | 6. Folk Healers |
| 7. Crude drugs | 8. Phytopharmaceuticals |

SECTION - B**(4 X 15 = 60 marks)**

9. (a) Write an essay on self incompatibility and add a note on the measures to overcome incompatibility.
- Or
- (b) Give an account of different types of Polyembryony met with in the angiosperms and add a note on its practical value.
10. (a) Discuss the structure of node and give its phylogenetic significance in tracheophytes.
- Or
- (b) Write a detailed account on the structure and ontogeny of angiosperm leaf.
11. (a) Discuss the history and development of traditional medicine in India.
- Or
- (b) Discuss in brief the concept and scope of ethnobotany and mention its branches.
12. (a) What are secondary metabolites? Mention some important secondary metabolites and explain their role in modern medicine.
- Or
- (b) Enumerate the important medicinal plants of Andhra Pradesh and mention the cultivation of any two medicinal plants you have studied.

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