

**BOT-552**  
**MEDICINAL PLANTS AND**  
**EMBRYOLOGY OF ANGIOSPERMS**

**M.Sc. BOTANY (MSCBOT-12/13/16/17)**

Second Year, Examination-2020

Time Allowed : 2 Hours

Maximum Marks : 80

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**Note:** This paper is of Eighty (80) marks divided into Two (02) sections A and B. Attempt the question contained in these sections according to the detailed instructions given therein.

**Section-A**

(Long Answer type Questions)

**Note:** Section-'A' contains Five (05) long answer type questions of Twenty (20) marks each. Learners are required to answer any two (02) questions only. (2×20=40)

1. Write a brief note on general account of phytochemistry of medicinal plants.
2. Describe the prospects, opportunities and constraints of cultivation of medicinal plants.

3. Describe various types of development of female gametophyte in Angiosperms.
4. Write an essay on the causes and types of polyembryony. Add a note on its significance.
5. Enumerate the applications of embryology in agriculture and horticulture.

### **Section-B**

(Short answer type questions)

Note: Section-B Contains Eight (08) short Answer type questions of Ten (10) marks each. Learners are required to Answer any four (04) questions only. (4×10=40)

1. Role of plants in medicine.
2. Adulteration of Plant drugs.
3. Scope of Ethnobotany.
4. Triple fusion.
5. Sexual Incompatibility.
6. Structure of an Ovule.
7. Recurrent Apomixis.
8. Applications of Palynology.

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