

A-1227

Total Pages : 3

Roll No.

BOT-552

M.Sc. Botany (MSCBOT)

**Medicinal Plants and Embryology of
Angiosperms**

Examination February, 2026

Time : 2:00 Hrs.

Max. Marks : 70

Note :- This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

Section-A

Long Answer Type Questions (2×19=38)

Note :- Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

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(1)

P.T.O.

1. Explain phytochemistry and its importance in medicinal plants.
2. Explain ethnobotany and discuss its history and importance.
3. Write an account on different types of endosperm development and discuss its cytology.
4. Write short notes on the following :
 - (a) Types of ovules
 - (b) Polyembryony and its significance.
5. Discuss the need and methods for conservation of medicinal plants.

Section–B

Short Answer Type Questions (4×8=32)

Note :- Section 'B' contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Write a short note on Parthenocarpy and its significance.
2. What is self-incompatibility ?

3. Define Microsporogenesis.
4. Write short notes on the following :
 - (a) In-situ conservation
 - (b) Cryopreservation
5. Explain double fertilization and its significance.
6. Define pharmacognosy and discuss its scope and importance.
7. Describe the morphology, active principles and medicinal uses of any *two* medicinal plants you have studied.
8. Explain adulteration of plant drugs and methods of detection.
