

A-1224

Total Pages : 3

Roll No.

MBOT-607

M.Sc. Botany (MSCBOT)

Embryology of Angiosperms

Examination February, 2026

Time : 2:00 Hrs.

Max. Marks : 35

Note :- This paper is of Thirty Five (35) 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) (2×9½=19)

Note :- Section 'A' contains Five (05) Long-answer type questions of Nine and Half (9½) marks each. Learners are required to answer any *two* (02) questions only.

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(1)

P.T.O.

1. Write a detailed account of structure and functions of tapetum.
2. Write a detailed account on development of male gametophyte in angiosperms.
3. Describe in detailed about embryogenesis in dicots.
4. Give a detailed account of different types of tetrasporic embryo sacs in angiosperms.
5. Discuss in detail about the principles and applications of palynology.

Section–B

(Short Answer Type Questions) (4×4=16)

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

1. Write a short note on microsporogenesis.
2. Write briefly about induced parthenocarpy.
3. Write a short note on nucellar culture.
4. Write briefly about double fertilization and its significance.

5. Write a short note on pollen culture.
6. Discuss about types of ovules.
7. Write short notes on any *two* the following :
 - (a) Adventive embryony
 - (b) Triple fusion.
 - (c) Parthenogenesis.
8. Write a short note on Nutrition of the embryo sac.
