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Total Pages : 3

Roll No.

MSCBOT-509

Plant Reproduction

M.Sc. Botany (MSCBOT)-21

2nd Semester Examination, 2022 (Dec.)

Time : 2 Hours]

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.

SECTION–A

(Long Answer Type Questions)

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.

(2×19=38)

1. Give a brief account of microsporogenesis and development of male gametophyte in angiosperm.

2. How endosperm is formed in angiosperm ? Discuss its morphological nature and functions.
3. Describe with suitable illustrations example of various types of ovules in angiosperm.
4. Write an essay on parthenocarpy.
5. Write short notes on the following :
 - (a) Dormancy.
 - (b) Apomixis.
 - (c) Double fertilization

SECTION-B

(Short Answer Type Questions)

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. (4×8=32)

1. What is Endosperm ? Describe type of endosperm.
2. Describe the development of flower.
3. Write a short note on significance of hormones.

4. Write in brief about pollen morphology, germination and viability.
 5. Write a short essay on the mechanism of flower pollination.
 6. Write short notes on the following :
 - (a) Fruit types.
 - (b) Polyembryony.
 7. Write note of self incompatibility.
 8. What is seed? Describe in brief its structure.
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