

P-925

Total Pages : 3

Roll No.

BOT-552

Medicinal Plants and Embryology of Angiosperms

M.Sc. Botany (MSCBOT)

2nd Year Examination, 2023 (June)

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. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

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 detailed account on morphology, active principles and medicinal value of turmeric and ginger.

2. Describe in detail the cultivation method of *Coleus forskohlii* (willd.) Briq.
3. Write a detailed note on adulteration of crude drugs and drug evaluation.
4. Write a detailed account of structure and functions of tapetum.
5. Give a detailed account of Tetrasporic embryosacs.

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. Write a short note on importance of ethnobotany.
2. Write a short note on the following :
 - (a) *In-situ* conservation.
 - (b) *Ex-situ* conservation.
3. Write a short note on cryopreservation.
4. Write a short note on microsporogenesis.

5. Briefly describe nutrition of the embryosac.
 6. Briefly explain the types of stigmas.
 7. Write a short note on Alurone tissue.
 8. Write a short note on importance of polyembryony.
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