

Total Printed Page: 04

Roll No.....

BOT-552

Medicinal Plants and Embryology of Angiosperms

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

Second Year Examination - 2019

Time: 3 Hours

Max. Marks: 80

Note:-This paper is of Eighty (80) marks containing three(03) Section A, B and C. Learners are required to attempt the questions contained in these Sections according to the detailed instructions given therein.

Section-A

(Long Answer Type Question)

Note:- Section 'A' contains four (04) long-answer-type questions of Nineteen (19) marks each. Learners are required to answer any two (02) questions only.

(2×19=38)

1. Describe different system of medicine.
2. What is pharmnocosy? Describe its details.

3. Describe the development of endosperm.
4. Discuss the application of embryology in taxonomy, agriculture and horticulture.

Section-B

(Short Answer Type Question)

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. Describe the structure of anther.
2. Discuss the development of female gametophyte.
3. What is fertilization?
4. Describe the process of embryo development.
5. What is parthenocarpy?
6. Describe sexual incompatibility.
7. Discuss the role of plants in medicine.
8. Write short notes on phytochemistry.

Section-C

(Objective Type Questions)

Note:- Section 'C' contains Ten (10) objective type questions of one (01) mark each .All the question of this section are compulsory. (10×1=10)

Choose the correct option for each of the following questions:

1. Lemna grass oil is extracted from.....
2. Quinine is obtained from.....
3. Atropa belongs to the family.....
4. Utricular bodies are associated with the development of.....
5. The process of double fertilization, triple fusion was discovered by.....

State True / False

6. Cardamomum is the seed of Elettaria Cardamanam.
(True/false)
7. Clove is a seed. (True/ false)
8. P Maheswari advances the science of embryology in India.
(True/False)
9. Embryosal is found in ovule. (True/False)
10. The formation of fruit without fertilization is called polygamy. (True/ false)
