

[Total No. of Printed Pages: 2

Roll No.....

BOT-552

**Medicinal Plants and Embryology of
Angiosperms**

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

Second Year, Examination, 2019

Time: 03 Hours

Max. Marks: 80

Note: This paper is of Eighty (80) 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 fifteen (15) marks each. Learners are required to answer any three (03) questions.
(3×15=45)

1. Write an essay on role of plants in medicine.
2. Give a concise account on concept, scope and objectives of Ethno botany.
3. Explain the events leading to pollen germination and fertilization.

4. How is Apomixes different from sexual reproduction? Describe non-recurrent and recurrent apomixes.
5. What is Palynology? Discuss principles and applications of Palynology.

SECTION-B

(Short Answer Type Questions)

Note: Section 'B' contains eight (08) short-answer type questions of seven (07) marks each learners are required to answer any five (05) question only.

(5×7=35)

1. Indian systems of Medicine.
2. Phytochemicals.
3. Scope of Pharmacognosy.
4. Conservation strategies for medicinal plants.
5. Double Fertilization.
6. Embryo development in monocots.
7. Polyembryony.
8. Experimental embryology.

[Total No. of Printed Pages: 2

Roll No.....

BOT-552

**Medicinal Plants and Embryology of
Angiosperms**

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

Second Year, Examination, 2019

Time: 03 Hours

Max. Marks: 80

Note: This paper is of Eighty (80) 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 fifteen (15) marks each. Learners are required to answer any three (03) questions.
(3×15=45)

1. Write an essay on role of plants in medicine.
2. Give a concise account on concept, scope and objectives of Ethno botany.
3. Explain the events leading to pollen germination and fertilization.

4. How is Apomixes different from sexual reproduction? Describe non-recurrent and recurrent apomixes.
5. What is Palynology? Discuss principles and applications of Palynology.

SECTION-B

(Short Answer Type Questions)

Note: Section 'B' contains eight (08) short-answer type questions of seven (07) marks each learners are required to answer any five (05) question only.

(5×7=35)

1. Indian systems of Medicine.
2. Phytochemicals.
3. Scope of Pharmacognosy.
4. Conservation strategies for medicinal plants.
5. Double Fertilization.
6. Embryo development in monocots.
7. Polyembryony.
8. Experimental embryology.
