

D 90123

(Pages : 2)

Name.....

Reg. No.....

FIFTH SEMESTER B.A./B.Sc. DEGREE EXAMINATION, NOVEMBER 2020

(CUCBCSS—UG)

Botany

**BOT 5B 07—EMBRYOLOGY, PALYNOLOGY, ECONOMIC BOTANY, ETHNO BOTANY
AND HORTICULTURE**

Time : Three Hours

Maximum : 80 Marks

Section A

Answer all questions.

Each question carries 1 mark.

1. Antipodals.
2. Ploidy of Primary endosperm nucleus.
3. Exine.
4. Useful part of cabbage.
5. Ornithophily.
6. Father of ethnobotany.
7. Olericulture.
8. Polyembryony.
9. Zygomorphic flower.
10. Heterostyly.

(10 × 1 = 10 marks)

Section B

Answer at least five questions.

Each question carries 4 marks.

All questions can be attended.

Overall Ceiling 20.

11. Explain the Process of double fertilization.
12. Explain the process of production of bonsai.
13. Mound layering.
14. Binomial and useful part of Apple.
15. Explain Propagation by cutting.

Turn over

16. Formation of nuclear endosperm ?
17. What are the ethnobotanical importance of *Aegle marmelos* ?
18. Give an outline of drip irrigation.
19. Explain microsporogenesis.
20. Explain Approach grafting.

(5 × 4 = 20 marks)

Section C

Answer at least five questions.

Each question carries 7 marks.

All questions can be attended.

Overall Ceiling 35.

21. Explain the parts of a typical flower.
22. Give an outline of post harvest managements of vegetables.
23. Give binomial and family of Rose and *Antirrhinum*.
24. Explain the structure of a typical pollen.
25. What are the different types of endosperm ? Explain.
26. What are the types of pollen pistil interactions.
27. What are the components of soil ?
28. Explain major types of tribal, communities in South India.

(5 × 7 = 35 marks)

Section D

Answer at least one question.

The question carries 15 marks.

29. Write an essay on various types of pollination and explain the adaptations for the same.
30. What is polyembryony ? What are the different types ?
31. Explain different methods of irrigation with their advantages and disadvantages.

(1 × 15 = 15 marks)