

D 70209

(Pages : 2)

Name.....

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CUCBCSS—UG)

Botany

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

Time : Three Hours

Maximum : 80 Marks

Section A

Answer all questions.

Each question carries 1 mark.

1. Bonsai.
2. Orthotropous ovule.
3. Green house.
4. Binomial of apple.
5. Triple fusion.
6. Mycorrhiza.
7. Cryopreservation.
8. Antipodal.
9. Endosperm.
10. Family of clove.

(10 × 1 = 10 marks)

Section B

Answer all questions.

Each question carries 2 marks.

11. What is double fertilization ?
12. Mention the functions of tapetum.
13. Write the ethno botanical importance of *Trichopus zeylanicus*.
14. Differentiate between organic fertilizers and chemical fertilizers.
15. What are the importances of lawn in landscaping.
16. Write the binomial and family of any two beverage plants.

Turn over

17. Write the advantages of using drip irrigation.
18. What is tetrazolium test ?
19. How seed beds are prepared ?
20. Mention the binomial and family of asafoetida and dammar.

(10 × 2 = 20 marks)

Section C

Answer any six questions.

Each question carries 5 marks.

21. Write the binomial, family, morphology of useful part and uses of any *two* masticatory plants.
22. Briefly describe the method of cultivation of oyster mushroom.
23. Give an account on acetolysis.
24. Write a short note on different types of irrigation methods.
25. Explain Adoxa type of embryo sac formation.
26. Write an account on the ethno botanical importances of Cynodon, Curcuma and Ocimum.
27. Write a short account on potting mixture.
28. Give a brief note on the post harvest management of vegetables.

(6 × 5 = 30 marks)

Section D

Answer any two questions.

Each question carries 10 marks.

29. Describe any *five* major fruits in India, with special reference to binomial, family and utility.
30. Define vegetative propagation. Explain the different methods of vegetative propagation.
31. Explain the development of dicot and monocot embryos, pointing out their differences.

(2 × 10 = 20 marks)