

D 50107

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Name.....

Reg. No.....

**FIFTH SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2023**

Botany

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

(2018 Admissions)

Time : Three Hours

Maximum : 80 Marks

Section A*Answer all questions.**Each question carries 1 mark.*

1. Binomial and family of any *two* Masticatories.
2. Pollinium.
3. Dichogamy.
4. Mesogamy.
5. Binomial and family of Sunflower.
6. Filiform apparatus.
7. Tetrazolium test.
8. Anatroous Ovule.
9. Vermicompost.
10. NPK.

(10 × 1 = 10 marks)

Section B*Answer all questions.**Each question carries 2 marks.*

11. Write the binomial and family of any two timber yielding plants.
12. Write a brief note on pollen allergy.
13. Define Xenogamy.
14. Differentiate between potting and repotting.

Turn over

15. What is Tapetum ? Mention its functions.
16. What is meant by Pollen kitt ?
17. Write the binomial, family and morphology of the useful part of any two fibre yielding plants.
18. Explain top dressing.
19. Write a brief note on Bonsai.
20. Describe acetolysis of pollen and its significance.

(10 × 2 = 20 marks)

Section C

*Answer any **six** questions.*

Each question carries 5 marks.

21. Illustrate Allium type of embryo sac development.
22. Write a note on ethno-botanical importance of Ficus and Curcuma.
23. What are the benefits of organic farming ?
24. Explain the process of double fertilization in angiosperms.
25. Write a brief note on branches of Horticulture.
26. Differentiate between microsporogenesis and megasporogenesis.
27. What are the different types of irrigation methods ?
28. Explicit the different types of pollination mechanisms.

(6 × 5 = 30 marks)

Section D

*Answer any **two** questions.*

Each question carries 10 marks

29. What are the different types of endosperm development seen in angiosperms ? Briefly describe each type with suitable diagram.
30. Give a brief account of any 5 major Vegetables in India. Write down binomial, family and Utility of each of them.
31. Write in detail the different methods of vegetative propagation and its types.

(2 × 10 = 20 marks)