

D 50106

(Pages : 2)

Name.....

Reg. No.....

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

Botany

BOT 5B 06—ANGIOSPERM MORPHOLOGY AND PLANT SYSTEMATICS

(2018 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part A

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

1. What are lianas ?
2. Leaves borne directly on the main trunk are called _____ ?
3. What is actinomorphic flower ?
4. An outgrowth found near micropyle and hilum of the Caster seed is known as ?
5. Name a medicinal plant of Euphorbiaceae.
6. According to ICBN what is taxa ?
7. What is a flora ?
8. Having four stamens disposed in pairs of unequal length is called ?
9. Dumb-bell shaped stigma is found in which family ?
10. Which family is often referred to as a vegetable family ?

(10 × 1 = 10 marks)

Part B (Short Answer Questions)

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

11. The standard abbreviation CAL stands for ?
12. What is numerical Taxonomy ?
13. What are napiform roots ?
14. Differentiate between bracket and indented type of key.

Turn over

15. What is a cladophyll ?
16. Explain cremocarp.
17. Give the botanical names any *two* economically important plants of Myrtaceae.
18. Draw the floral diagram of Liliaceae.
19. Write any four functions of botanic gardens.
20. Briefly explain the flowers of Euphorbiaeae.

(10 × 2 = 20 marks)

Part C (Short Essay)

Answer any six questions.

Each question carries 5 marks.

21. Give an account on roots modified for mechanical support.
22. Explain the objectives and importance of systematics.
23. What is flower symmetry and its types ?
24. Give an account on artificial system of classification.
25. Write a note on taxonomic literature.
26. Give an account of economic importance of Lamiaceae.
27. Describe the vegetative characters of Annonaceae.
28. Write a note on modern trends in plant taxonomy.

(6 × 5 = 30 marks)

Part D (Essay)

Answer any two questions.

Each question carries 10 marks.

29. Give an account on contributions of eminent taxonomists : (1) Hendrich van Rheed ; (2) William Roxburg ; (3) Robert White ; and (4) Gamble.
30. Write an essay on Natural system of classification citing example.
31. Compare the sub families of Fabaceae. Mention systematics and phylogeny of Leguminosae.

(2 × 10 = 20 marks)