

D 70208

(Pages : 2)

Name.....

Reg. No.....

FIFTH SEMESTER B.A./B.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CUCBCSS-UG)

Botany

BOT 5B 06—ANGIOSPERM MORPHOLOGY AND PLANT SYSTEMATICS

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each question carries 1 mark.

1. Name a medicinal plant of Rubiaceae.
2. Taxonomic group of any rank is called _____.
3. Expand ICBN.
4. What is the alternate name of family Asteraceae ?
5. The specimen designated by the author as nomenclatural type is _____.
6. Name a family with hemicyclic flowers.
7. Where is TBGRI situated ?
8. Give an example for tap root modification.
9. Which is the characteristic fruit of Poaceae ?
10. Name the inflorescence of *Euphorbia*.

(10 × 1 = 10 marks)

Part B (Short Answer Questions)

Answer all questions.

Each question carries 2 marks.

11. What is meant by aril ?
12. Define Cladistics.
13. Give the botanical names any two economically important plants of Myrtaceae.
14. Briefly mention contributions of Herbalists.
15. What are pneumatophores ?
16. Distinguish between indented and bracketed type of key.
17. Describe the inflorescence of Asteraceae.
18. Draw floral diagram of Rubiaceae.

Turn over

19. What is meant by flora ?
20. Write any four functions of botanic gardens.

(10 × 2 = 20 marks)

Part C (Short Essay)

*Answer any five questions.
Each question carries 6 marks.*

21. Describe the floral characters of Apocynaceae.
22. Give an account plant nomenclature.
23. Describe the different types of cymose inflorescences.
24. Give an account on the economic importance of Malvaceae.
25. Write a note on numerical taxonomy.
26. What are the advanced characteristics of family Poaceae ?
27. Describe the merits and demerits of Bentham and Hooker's system of classification.
28. Write a note on contributions of Hendrich van Rheed.

(5 × 6 = 30 marks)

Part D (Essay)

*Answer any two questions.
Each question carries 10 marks.*

29. Compare the family Fabaceae with the subfamilies.
30. Give an account on different systems of classification citing example.
31. Describe the different types of stem modifications with suitable examples.

(2 × 10 = 20 marks)