

D5BBT2202

Reg. No.....

Name:

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2024

(Regular/Improvement/Supplementary)

BOTANY

GBOT5B07T: ANGIOSPERM MORPHOLOGY & SYSTEMATICS

Time: 2 Hours

Maximum Marks: 60

**SECTION A: Answer the following questions. Each carries two marks.
(Ceiling 20 marks)**

1. What are monographs?
2. Distinguish between Phenetics and Cladistics.
3. Write a short note on the gynoecium of Apocynaceae.
4. Briefly comment on the economic importance of Rubiaceae.
5. What are principal obligatory ranks?
6. Give an account on the economic importance of Lamiaceae.
7. Distinguish between loculicidal and septicidal capsules.
8. What are epigynous flowers? Give an example.
9. Comment on phylogenetic species concept.
10. Give an account on etaerio of achenes.
11. State the limitations of rule of priority.
12. What is resupination?

**SECTION B: Answer the following questions. Each carries five marks.
(Ceiling 30 marks)**

13. Discuss the structure of spikelets in the family Poaceae with suitable diagrams.
14. What is typification? Write short notes on the different kinds of types recognized by ICN.
15. What are Schizocarpic fruits? Write short notes on the different types with examples.
16. Explain and comment on the merits and demerits of the classification proposed by Hutchinson.
17. Give an outline of sexual classification proposed by Linnaeus. Comment on its merits and demerits.
18. Write a short essay on Cytotaxonomy.
19. Comment on the diagnostic characters of Malvaceae.

SECTION C: Answer any one question. The question carries ten marks.

20. Describe the different types of inflorescences in Angiosperms.
21. What are botanic gardens? Discuss its role in taxonomy. Add a note on major gardens.

(1 x 10 = 10 Marks)