

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2025

(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. State the limitations of common name.
2. Mention the inflorescence of Asteraceae.
3. Describe the concept of species.
4. Differentiate between effective and valid publication
5. Write a note on taxonomic keys
6. Write down the economic importance of Myrtaceae.
7. Describe the vegetative features of Malvaceae.
8. A flower can be considered as a modified shoot. Justify.
9. Describe the structure of thyrus.
10. What is aril?
11. Write down the contributions of Gamble and E K Janaki Ammal.
12. Briefly describe taxonomic hierarchy.

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

13. Write down the description from habit to fruit and economic importance of the family Rubiaceae.
14. Briefly explain different types of taxonomic literature.
15. Write a note on typification.
16. Describe the diagnostic features of the family Euphorbiaceae
17. Explain the economic importance of Lamiaceae. Give scientific names of two plants belonging to Lamiaceae.
18. Give an account on chemotaxonomy.
19. Give an account of various dry dehiscent fruits produced by angiosperms with examples.

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

20. Give an account of the various types of inflorescences found in angiosperms with examples.
21. Write an essay on Bentham and Hookers system of classification.

(1 × 10 = 10 Marks)