

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(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. Describe the importance of Systematics.
2. Write down the concept of species.
3. Describe binomial nomenclature
4. What are the major types of sub-aerial stem modifications?
5. What is Cytotaxonomy?
6. Comment on Botanical Gardens.
7. Write notes on Nomenclature.
8. Mention the regional stations of BSI.
9. What is meant by valid publication?
10. Describe special types of Inflorescence.
11. Write a short note on Numerical Taxonomy.
12. Flower is a modified shoot. Substantiate this statement.

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

13. Briefly explain racemose inflorescence.
14. Write the diagnostic characters, description and common plants of Malvaceae.
15. What are the basic rules of Nomenclature?
16. Write Bentham and Hookers system of classification and mention their merits and demerits.
17. Describe the important characters and common plants of Acanthaceae.
18. Explain the techniques involved in herbarium preparation.
19. Briefly explain the contributions of Dr. E.K Janaki Ammal.

SECTION C: Answer any *one* question. Each carries *ten* marks.

20. Define fruits. Write an essay on classification of fruits.
21. Briefly explain the description of Asteraceae by citing examples.

(1 × 10 = 10 Marks)