

D 50559

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Name.....

Reg. No.....

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

Botany

BOT 5B 07—ANGIOSPERM MORPHOLOGY AND SYSTEMATICS

(2019 Admission onwards)

Time : Two Hours and a Half

Maximum : 80 Marks

**Section A***Answer all questions.**Each question carries 2 marks.**Ceiling : 20 Marks.*

1. What is Thyrsus ? Give one example.
2. Define author citation. Give an example.
3. Write notes on JNTBGRI.
4. Describe the contributions of van Rhee de to the field of angiosperm taxonomy.
5. Write short notes on APG system of classification.
6. What is numerical taxonomy ?
7. Enumerate the identifying features of Malvaceae.
8. What is meant by virtual herbarium ?
9. Explain about Monographs.
10. Write botanical names of any four economically important plants of Liliaceae.
11. Explain the concept of valid publication.
12. What is Synandrium ? Where can you find this ?

**Turn over**

**Section B**

*Answer all questions.*

*Each question carries 5 marks.*

*Ceiling : 30 Marks.*

13. Differentiate natural system of classification from phylogenetic system with example.
14. What is Typification ? Explain the various types used in plant nomenclature.
15. Give an account of the various types of cymose inflorescences found in angiosperms with examples.
16. Give an account on chemotaxonomy.
17. Describe the types of flowers based on symmetry, relative position and arrangement.
18. Write about the objectives and importance of systematics.
19. Enumerate the floral features of the family Orchidaceae with diagrams.

**Section C**

*Answer any one question.*

*The question carries 10 marks.*

20. Write about various types of fruits produced by angiosperms with reference to the placentation types observed in these. Also give suitable examples.
21. What are Herbaria ? Explain the steps involved in the preparation and maintenance of herbarium. Add a note on Kew herbarium.

(1 × 10 = 10 marks)