

D 110102

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Name.....

Reg. No.....

**FIFTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2024**

Botany

BOT 5B 07—ANGIOSPERM MORPHOLOGY AND SYSTEMATICS

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

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

1. What is Cyathium ? Give one example.
2. Explain priority of publication concept.
3. Write a brief note on the latest code.
4. Describe the contributions of Robert Wight to the field of angiosperm taxonomy.
5. Enumerate the scope of plant taxonomy.
6. Discuss the importance of herbarium.
7. Enumerate the identifying features of Solanaceae.
8. What is meant by taxonomic hierarchy ?
9. Flower is a modified shoot. Justify.
10. Write notes on MBGIPS.
11. Explain the concept of effective publication.
12. What is Cremocarp ? Where can you find this ?

Turn over

Section B

*Answer all questions.
Each question carries 5 marks.
Ceiling : 30 Marks.*

13. Describe the steps involved in the preparation and maintenance of herbarium.
14. Define taxonomic keys. Add notes on use and construction of taxonomic keys.
15. Give an account of the various types of special inflorescences found in angiosperms with examples.
16. Give an account on cytotaxonomy.
17. Describe the economic importance of the family Apocynaceae.
18. Write about phylogenetic and molecular systems of classification.
19. Enumerate the floral features of the family Poaceae 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. Describe the diagnostic features of the family Asteraceae. Add notes on the reasons for the successful establishment of the family.

(1 × 10 = 10 marks)

D 50559

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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)