

**FIFTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION  
NOVEMBER 2022**

**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. Define Epigynous flower.
2. What is Chemotaxonomy ?
3. What is cyathium inflorescence ?
4. What are Monographs ?
5. Differentiate holotype and isotype.
6. Write the peculiarities of typical Lamiaceae flower.
7. Describe the vegetative characters of stem of Cucurbitaceae.
8. Define Cytotaxonomy.
9. Explain adnation in Solanaceae.
10. Explain corolla in Lamiaceae
11. What is MBGIPS ?
12. Briefly explain taxonomic hierarchy.

**Turn over**

48

**Section B**

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

13. Give an account on branching in Solanaceae.
14. "Flower as a modified shoot". Discuss.
15. Explain APG system of classification.
16. Briefly explain the contributions of eminent taxonomist EK Janaki Ammal.
17. Explain contributions of Hendrik van Rheede.
18. Give an account of ICN principles.
19. Describe the floral characters of Poaceae.

**Section C**

*Answer any one question.  
The question carries 10 marks.*

20. Compare the sub families of Fabaceae and write down two economically important plants in each subfamily.
21. What is Herbarium ? Write an essay on herbarium technique and its significance. Mention the major herbaria in India.

(1 × 10 =)