

D 90122

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Name.....

Reg. No.....

**FIFTH SEMESTER B.A./B.Sc. DEGREE EXAMINATION  
NOVEMBER 2020**

(CUCBCSS—UG)

Botany

**BOT 5B 06—ANGIOSPERM MORPHOLOGY AND PLANT SYSTEMATICS**

Time : Three Hours

Maximum : 80 Marks

**Section A**

*Answer all questions.  
Each question carries 1 mark.*

1. Where is Royal Botanic Garden situated ?
2. Expand ICBN.
3. Who is called "father of taxonomy" ?
4. Which family yield pulses ?
5. Give an example for buttress root.
6. Name a family with apocarpous pistil.
7. Epicalyx is found in the family \_\_\_\_\_.
8. Give an example for sub-aerial stem modification.
9. Duplicate copy of holotype is \_\_\_\_\_.
10. Name an oil yielding plant belong to Myrtaceae.

(10 × 1 = 10 marks)

**Section B (Short Answer Questions)**

*Answer at least five questions.  
Each question carries 4 marks.  
All questions can be attended.  
Overall Ceiling 20.*

11. Describe cymose inflorescence.
12. Define Chemotaxonomy.
13. Give the botanical names any two economically important plants of Liliaceae.
14. Describe hypanthodium.

**Turn over**

15. What is caruncle ?
16. Explain the concept of species.
17. What is gynostegium ?
18. Draw floral diagram of Lamiaceae.
19. What is numerical taxonomy ?
20. List unique features of Malvaceae.

(5 × 4 = 20 marks)

### Section C (Short Essays)

*Answer at least five questions.  
Each question carries 7 marks.  
All questions can be attended.  
Overall Ceiling 35.*

21. Describe the floral characters of Annonaceae.
22. Give an account on the economic importance of Solanaceae.
23. Describe the different racemose inflorescences.
24. Give an account on molecular taxonomy and phylogenetics.
25. Write a note on contributions of William Roxburg.
26. What are the advanced characteristics of family Poaceae ?
27. What is meant by artificial system of classification ? Give an example.
28. Write a note on herbarium techniques.

(5 × 7 = 35 marks)

### Section D (Essays)

*Answer any one question.  
The question carries 15 marks.*

29. Briefly explain Bentham and Hooker's system of classification. What are its merits and demerits ?
30. Compare and contrast the families Asteraceae and Rubiaceae.
31. Give an account on different types of fruits with suitable examples.

(1 × 15 = 15 marks)