

D 131441

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Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2025**

Botany

BOT 3C 03—MORPHOLOGY, SYSTEMATIC BOTANY, ECONOMIC BOTANY, PLANT
BREEDING AND HORTICULTURE

(2020—2023 Admissions)

Time : Two Hours

Maximum : 60 Marks

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

1. Define racemose inflorescence with diagram.
2. Differentiate simple and compound leaves.
3. Expand ICN and mention the role for algae.
4. What is Aestivation ?
5. Find the scope of systematic botany.
6. What is Nomenclature ?
7. Differentiate numerical taxonomy and chemotaxonomy.
8. Write the binomial name and family of clove.
9. Point out the basic rules of effectivity in nomenclature.
10. Find the objectives of plant breeding
11. Define Horticulture.
12. What is air layering ?

Turn over

Section B

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

13. Describe the special types of inflorescence with examples.
14. Comment on the phylogenetic system of classification
15. What is Placentation ? Mention its types with neat diagram.
16. Enumerate the characteristic features of family fabaceae.
17. Write the binomial, family, morphology of the useful part and their uses of pepper.
18. Describe the types of selection used for plant breeding techniques.
19. Differentiate Patch and T-budding.

Section C

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

20. Draw and explain the structure, floral parts, their arrangement and relative position of flower.
21. Give detailed about the steps involved in herbarium techniques and their significance.

(1 × 10 = 10 marks)