

D3ABT2202

(1 Page)

Name.....

Reg.No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2023
(Regular/Improvement/Supplementary)

BOTANY

FBOT3C08 - ANGIOSPERM MORPHOLOGY, TAXONOMY AND PLANT RESOURCES

Time: 3 Hours

Maximum Weightage: 30

Part A: Answer any *four* questions. Each carries *two* weightage.

Write short notes on:

1. Icons.
2. Morphology and useful part of jute.
3. Any one of the National Botanical Gardens.
4. Character weighting.
5. ICNCP.
6. Empiricism.
7. Nectarines.

(4 × 2 = 8 weightage)

Part B: Answer any *four* questions. Each carries *three* weightage.

8. Write an essay on co-evolution of flowers and their pollinators.
9. Give an account on Numerical taxonomy.
10. Briefly explain evolution of placental types.
11. Differentiate between monophyly and polyphyly.
12. List out the medicinal importance of *Catharathus*.
13. Write down the morphology and useful part of any two spices.
14. Explain the importance of cladistics in taxonomy.

(4 × 3 = 12 weightage)

Part C: Answer any *two* questions. Each carries *five* weightage.

15. Write an essay on taxonomic hierarchy.
16. What is herbarium? Describe various techniques involved in herbarium preparation.
17. Give an account on role of floral anatomy in interpreting the origin and evolution of flower and floral parts.
18. Write an essay on chemical characters and their use in taxonomy.

(2 × 5 = 10 weightage)