

D3ABT2102

(1 Page)

Name.....

Reg.No.....

**THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2022
(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.

1. Name any two regional floras.
2. Write morphology and useful part of nutmeg.
3. Elaborate on artificial system of classification.
4. Write a short note on inferior ovary
5. State Rule of priority.
6. Give a short note on DNA barcoding in plants.
7. What is Unit character?

(4 × 2 = 8 weightage)

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

8. Give a short note on evolution of placental types.
9. Differentiate between parallelism and convergence.
10. Write a short note on taxonomic literature.
11. Briefly explain pharmacognostic properties of turmeric.
12. List out major starch yielding plants.
13. Give an account on the importance of botanical gardens in taxonomic studies.
14. Comment on BSI.

(4 × 3 = 12 weightage)

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

15. Write an essay on the origin and evolution of structure and morphology of stamens, nectarines and nectar.
16. Give a detailed account on Typification.
17. Write an essay on spices and condiments.
18. Discuss the modern trends in taxonomy with special emphasis on molecular taxonomy.

(2 × 5 = 10 weightage)