

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2024
(Regular/Improvement/Supplementary)

BOTANY
FBOT1C01-PHYCOLOGY, BRYOLOGY, PTERIDOLOGY AND GYMNOSPERMS

Time: 3 Hours**Maximum Weightage: 30****Part A: Answer any *four* questions. Each carries *two* weightage.**

1. Mention the methods of reproduction in Ginkgoales.
2. Write short notes on water blooms.
3. What are the general characters of Pteridophytes?
4. Describe the classification of Bryophytes mentioned in syllabus.
5. What are the morphological characters of Welwitschiales?
6. Write notes on flagella & chloroplast in algae.
7. Define Parthenogenesis.

(4 × 2 = 8 weightage)

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

8. Describe the reproduction in Coniferales.
9. Explain the role of algae in soil fertility.
10. Give a note on economic importance of Pteridophytes.
11. Write short notes on the gametophytic origin and evolution of Bryophytes.
12. Describe the gametophytic development in Pteridophytes.
13. Give a general account of pigments in algae.
14. Write the details of anatomical features of Cycadales.

(4 × 3 = 12 weightage)

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

15. Explain reproduction and Phylogeny of Jungermanniales.
16. Briefly explain the thallus structure and reproduction of Bacillariophyta.
17. Write notes on the classification of Gymnosperms by Sporne.
18. Illustrate and explain structure and evolution of stele in Pteridophytes.

(2 × 5 = 10 weightage)