

22P128

(Pages: 2)

Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P BOT1 C01 - PHYCOLOGY, BRYOLOGY, PTERIDOLOGY AND GYMNOSPERMS

(Botany)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Explain Round's classification of algae.
2. Distinguish between zoospore and aplanospore in Xanthophyceae.
3. Explain general characters of bryophytes.
4. Explain eusporangiate development of sporangia with suitable diagrams.
5. Explain Apogamy and its causes.
6. Explain general characters of Hyeniales.
7. Mention the features of Glossopteridales.

(4×2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Write a note on economic importance of algae.
9. Describe vegetative reproduction methods in algae.
10. Explain evolution of gametophytes in Bryophytes.
11. Write a note on general characters and life history of Pteridophytes.
12. Write a note on Pichi-sermoli's classification.
13. Give an account on Cyatheales.
14. What are the Economic importance of Gymnosperms? Explain with suitable Examples.

(4×3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Write an essay on cell structure reproduction and evolutionary relationships of Rhodophyta

16. Explain anatomy, reproduction and life history of Polytrichales.
17. Explain the development and evolutionary trends of gametophyte in Pteridophytes.
18. Write an essay on classification of gymnosperm and mention its features.

(2 × 5 = 10 Weightage)
