

21P128

(Pages: 2)

Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(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. Give an account on economic importance of algae.
2. What are stone worts? Explain their features.
3. Give an account on vegetative reproduction in Calobryales.
4. Discuss the economic importance of Pteridophytes.
5. Enumerate the contributions of Indian Pteridologists.
6. Write a note on general characters of equisetals.
7. Comment on phylogeny of gymnosperm.

(4 × 2 = 8 Weightage)

Part-B

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

8. With suitable diagrams explain cell and cell wall of algae.
9. Describe life cycles in Rhodophyta.
10. Write a note on fossil bryophytes and their affinities.
11. Compare eusporangiate and leptosporangiate development of sporangia.
12. Explain apogamy, apospory and parthenogenesis.
13. Compare Marsileales and Salviniiales.
14. Write a note on classification of gymnosperm and mention its features.

(4 × 3 = 12 Weightage)

Part-C

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

15. Explain the range of thallus and pigment variations in algae.
16. Give an account on general characters of bryophytes. Add a note on classifications of bryophytes.
17. Write an essay on cytology of Pteridophytes.
18. Compare the strobilus in Gymnosperms.

(2 × 5 = 10 Weightage)
