TB252987G

Reg. No :.....

Name :.....

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2025

2023 ADMISSIONS SUPPLEMENTARY

SEMESTER II - COMPLEMENTARY COURSE 2

BO2B01B23 - Cryptogams and Gymnosperms

Time : 3 Hours **Maximum Marks : 60**

Part A

I. Answer any Ten questions. Each question carries 1 marks **(10x1=10)**

1. What does moniliform habit mean?
2. How do you identify an akinete?
3. Name the important pigments of Rhodophyceae.
4. Define a coenobium. Give an example.
5. Describe mycorrhizae.
6. Define plectenchyma.
7. Name the fungus known as dead man's finger.
8. Name the aquatic species of Riccia.
9. What is heterospory?
10. What do you mean by strobilus?
11. What is ligule?
12. Explain diploxylic condition.

Part B

II. Answer any Six questions. Each question carries 5 marks **(6x5=30)**

13. Explain with diagrams the process of evection in Cladophora.
14. Describe the salient features of Chlorophyceae.
15. Explain sexual reproduction in Sargassum.
16. What is basidium? Explain its types.
17. Explain the structure of perithecium in Xylaria.
18. Enlist the general characters of pteridophytes.
19. Explain heterospory and seed habit with reference to Selaginella.
20. Describe the nature of roots in Cycas.
21. With neat labelled diagram explain the structure of Cycas ovule.

Part C

III. Answer any Two questions. Each question carries 10 marks **(2x10=20)**

22. Discuss the life cycle in Polysiphonia.
23. Explain with diagrams the mode of sexual reproduction in Rhizopus.
24. Explain alternation of generation with reference to the life cycle of Selaginella.
25. With neat diagrams explain the anatomy of Cycas leaflet. Give its xerophytic adaptations.