TB242881F

Reg. No :.....

Name :.....

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, MARCH 2024

2023 ADMISSIONS REGULAR

SEMESTER II - ZOOLOGY 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. What is floridean starch?
3. Name the chief pigments in Phaeophyceae.
4. Explain the term evection.
5. Define plectenchyma.
6. Define the term hyphae.
7. Recall pseudoplasmodium.
8. What is resurrection plant?
9. What is the function of scales in Riccia thallus?
10. What do you mean by strobilus?
11. What is circinate vernation?
12. Explain a coralloid root.

Part B

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

13. Describe the formation of cap cells in Oedogonium.
14. Write an account on commercial products obtained from algae.
15. List out the characteristic features of Phaeophyceae.
16. Explain the structure of perithecium in Xylaria.
17. Explain the different thallus types of Lichens.
18. Explain with diagrams the antheridium and archegonium of Selaginella.
19. Explain heterospory and seed habit with reference to Selaginella.
20. Explain dimorphism of leaves in Cycas.
21. Describe the nature of roots in Cycas.

Part C

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

22. Discuss the economic importance of algae.
23. Describe the economic and ecological significance of Lichens.
24. Explain with diagrams why Selaginella is described as a heterosporous fern.
25. With neat diagrams explain the anatomy of the rachis and leaflet in Cycas.