

TB221050V

Reg. No :

Name :

B. Sc. DEGREE (C.B.C.S.) EXAMINATION, NOVEMBER 2022

**(2022 Admissions (regular) 2021 Admissions (Improvement / Supplementary), 2020, 2019, 2018, Admissions
Supplementary)**

**SEMESTER I - COMPLEMENTARY COURSE 2 (BOTANY) (For ZOOLOGY)
BO1C01B18 - CRYPTOGAMS, GYMNOSPERMS AND PLANT PATHOLOGY**

Time : 3 Hours

Maximum Marks : 60

Part A

I. Answer any Ten questions. Each question carries 1 mark

(10x1=10)

1. Give two examples of algal biofertilizers.
2. Name the chief pigments in Phaeophyceae.
3. Explain the term cap cell.
4. Define the term hyphae.
5. What do you mean by imperfect fungi?
6. What is eucarpic mycelium?
7. What is resurrection plant?
8. Name the aquatic species of Riccia.
9. What is heterospory?
10. Explain diploxylic condition.
11. Name the pathogen causing Blight disease in Paddy.
12. Explain with example the term systemic disease.

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Enlist the general features of Rhodophyceae.
14. Outline the classification of algae proposed by Fritsch.
15. Explain the different thallus types of Lichens.
16. Enlist the salient features of zygomycotina.
17. Draw a neat labelled diagram of the internal structure of Riccia thallus.
18. Describe the life cycle of Riccia with diagrams.
19. Describe the nature of roots in Cycas.
20. Recall the morphology of Cycas.
21. Classify plant diseases based on causal agents.

Part C

III. Answer any Two questions. Each question carries 10 marks

(2x10=20)

22. Recall in words the range of thallus structure of algae with reference to the types studied.
23. Explain with diagrams the sporulation types of Puccinia in Barberry leaf.
24. Explain alternation of generation with reference to the life cycle of Selaginella.
25. List out the general characters of gymnosperms.