

QP CODE: 23104830



Reg No : .....

Name : .....

**B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE  
EXAMINATIONS, FEBRUARY 2023**

**First Semester**

**Complementary Course - BO1CMVT1 - BOTANY-PLANT DIVERSITY AND PLANT  
PATHOLOGY**

(Common to B.Sc Zoology Model II Aquaculture, B.Sc Zoology Model II Food Microbiology,  
B.Sc Zoology Model II Medical Microbiology)

2017 Admission Onwards

2682D263

Time: 3 Hours

Max. Marks : 60

**Part A**

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. What are the major reserve food material of following algae? (a) Nostoc (b) Sargassum (c) Cladophora (d) Polysiphonia
2. How many classes are there in the classification of algae by Fritsch?
3. Differentiate paraphyses and periphyses.
4. Name the fungi that is commonly known as 'Black bread mould'
5. What is perithecia?
6. What is apothecium? Give an example.
7. Differentiate liverworts and mosses?
8. What is trabaculae?
9. What are living fossils? Give one example.
10. Why fertilization in Cycas is termed zoodiogamous?
11. What do you mean by epidemic disease?
12. Why do we use pesticides in controlling viral attack on plants?

(10×1=10)

**Part B**





*Answer any **six** questions.  
Each question carries **5** marks.*

13. Explain Eichler's system of classification of plant kingdom?
14. Write an account on structure and development of antheridium/ spermatangium in Polysiphonia.
15. Write an account on role of algae as biofertilizer.
16. Describe the structure of uredospores and teleutospores.
17. Write an account on Saprolegniasis.
18. With a labelled diagram explain the anatomy of Riccia plant body?
19. Describe the origin and structure of rhizophore in Selaginella.
20. With the help of a labelled sketch, explain the anatomy of Cycas leaflet?
21. Justify the statement "Environmental conditions and host susceptibility are significant in developing disease in plant"?

(6×5=30)

### **Part C**

*Answer any **two** questions.  
Each question carries **10** marks.*

22. Explain the range of thallus variation in algae.
23. Write an essay on general characters of fungi.
24. Explain the sexual reproduction in Riccia?
25. Write an essay on general characters of Pteridophytes.

(2×10=20)

