QP CODE: 21102491

21102491

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) EXAMINATIONS, OCTOBER 2021

First Semester

B.Sc Zoology Model I

Complementary Course - BO1CMT01 - BOTANY - CRYPTOGAMS, GYMNOSPERMS AND PLANT PATHOLOGY

2017 Admission Onwards

20791EE6

Time: 3 Hours Max. Marks : 60

Part A

*Answer any **ten** questions.*

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

1. Name any two nitrogen fixing algae.
2. What is the function of pyrenoid?
3. Define coenocyte. Give example.
4. What are the pigments of Phaeophyceae?
5. What are gonimoblast filaments?
6. Name a source used for the preparation of alginates.
7. What do you meant by sporangiophore?
8. What is coenocytic fungi?
9. Name a fungus which is edible.
10. Name a foliose lichen.
11. Describe any one economic importance of lichens.
12. What is Apophysis?

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Write a note on different modes of sexual reproduction in Algae.

14. Explain the structre and functions of Hetrocysts.

15. Explain the diagramatic life cycle of Sargassum.

16. How does Dikaryophase develop in the mycelium of Basidiomycetes?

17. Comment on Aecidial Stage of Puccinia.

18. Describe the reproduction in Riccia.

19. Describe the general characters of pteridophytes.

20. Describe the xerophytic adaptation in Cycas leaflet.

21. Describe the symptoms caused by bacterial pathogens in plants.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Explain variation in Thallus oraganization in Algae.

23. Expalin the salient features of bryophytes and pteridophytes.

24. Write the causative organism, symptoms and control measures for Nut fall of Arecanut, Bacterial Blight of Paddy, Leaf mosaic of Tapioca.

25. Explain sexual reproduction in Oedogonium with suitable diagrams.

(2×10=20)