K25P 3526

Reg. No. : .....

Name : .....

I Semester M.Sc. Degree (C.B.C.S.S. – O.B.E. – Reg./Supple./Imp.) Examination, October 2025
(2023 Admission Onwards)
BOTANY
MSBOT01C02 : Phycology, Mycology and Plant Pathology

Time : 3 Hours Max. Marks : 60

PART – A

Answer **any five** questions. **(5×3=15)**

1. Write the contributions of MOP Iyengar in phycology.
2. List out the impact of algal blooms.
3. Describe parasexuality in fungi with examples.
4. Explain the ecological significance of lichens.
5. State the role and significance of phytoalexins in plant defense.
6. Discuss the importance of plant quarantine measures in disease management.

PART – B

Answer **any three** questions. **(3×6=18)**

7. Describe chloroplast variations among green algae.
8. Compare the features of Cyanophyta and Glaucophyta.
9. Explain the different types of mycorrhizae and their significance.
10. Enumerate the pre-existing structural and biochemical defense mechanism in plants.
11. Explain the management of viral borne diseases affecting the crop plants.

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PART – C

Answer **any three** questions. **(3×9=27)**

12. Compare the reproductive structures and life cycle patterns of Chlorophyceae and Rhodophyceae.

13. Explain the classification of algae according to Fritsch.

14. Explain the life cycle of Basidiomycota and its impact on agriculture with examples.

15. Explain various fungal interactions and its significance.

16. Discuss the advantages and disadvantages of biological control over chemical control of plant diseases.

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