



K21P 0514

Reg. No.: .....

Name : .....

**First Semester M.Sc. Degree (CBSS – Reg./Suppl. (Including Mercy  
Chance)/Imp.) Examination, October 2020  
(2014 Admission Onwards)**

**BOTANY**

**BOT 1C 01 : Phycology, Mycology and Lichenology**

Time : 3 Hours

Max. Marks : 60

**SECTION – A**

1. a) Give an account of the life-cycle patterns in algae.

OR

b) Explain the structure and reproduction in Nitella.

2. a) Write on the general characters and ecology of fungi.

OR

b) Explain the life-cycle of Cercospora.

(2×8=16)

**SECTION – B**

Answer any two :

3. a) What are crustose lichens ?

b) Give an account of their ecological role.

c) Write on their mode of reproduction.

(1+2+3)

4. a) What is heterothallism ?

b) Write on the role of fungi in control of pathogens.

c) Give the structure of Saprolegnia.

(1+2+3)

5. a) What is Parasexual reproduction ?

b) Thallus structure of Caulerpa.

c) Write on the kinds of spores in Cyanophyceae.

(1+2+3)

P.T.O.



SECTION – C

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Answer any six :

- 6. Classification of Anabena.
- 7. Morphology and structure of Frittschiella.
- 8. Habitat of algae.
- 9. Economic importance of lichens.
- 10. Life-cycle of Parmelia.
- 11. Identification of fungi.
- 12. Role of fungi in decomposition of organic matter.
- 13. Reproduction in cercospora.

(6x3=18)

SECTION – D

Answer any seven :

- 14. Calcarious algae.
- 15. Pleurilocular sporangia.
- 16. Pigments in Rhodophyceae.
- 17. Algal bloom.
- 18. Algae as pollution indicators.
- 19. Ainsworth.
- 20. Basidia.
- 21. Crustose lichens.
- 22. Lycoperdon.
- 23. Xylaria.

(7x2=14)

(1+2+3)

(1+2+3)

P.T.O.