



K23P 3256

Reg. No. :

Name :

**First Semester M.Sc. Degree (CBSS – Supple. (One Time Mercy Chance)/Imp.)
Examination, October 2023
(2014 to 2022 Admissions)
BOTANY**

BOT1 C 01 – Phycology, Mycology and Lichenology

Time : 3 Hours

Total Marks : 60

Instruction : Draw diagrams *wherever* necessary.

SECTION – A

(2×8=16)

1. a) Explain with diagram on the thallus organisation in Algae.

OR

b) Give an account on the economic importance of fungi.

2. a) Explain the structure, reproduction and life cycle of *Cercospora*.

OR

b) Give an account on the structure, reproduction and life cycle of *Parmelia*.

SECTION – B

Answer **any two** :

(2×6=12)

3. a) What is dolipore septum ?

b) Give an account on mycofungicides.

c) Give an account on general characters and classification of deuteromycetes.

(1+2+3)

4. a) What is deuterolichens ?

b) Give an account on the reproduction in *Parmelia*.

c) Give an account on the economic importance of lichens.

(1+2+3)

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5. a) Photosynthetic pigments in Algae.
- b) Give an account on the endosymbiotic theory of chloroplast evolution.
- c) Explain the structure, reproduction and life cycle of *Batrachospermum*. (1+2+3)

SECTION – C

Answer **any six** :

(6×3=18)

6. Mycorrhizae.
7. General characters of Cyanophyceae.
8. Sexual incompatibility in fungi.
9. Algal biofertilizer.
10. Economic importance of Algae.
11. Trichome movement in *Oscillatoria*.
12. Life cycle in chlorophyceae.
13. Reproduction in Saprolegniaceae.

SECTION – D

Answer **any seven** :

(7×2=14)

14. Soredia.
15. Arthroconidia.
16. Basidioma.
17. Dolipore septum.
18. Isidia.
19. Necridia.
20. Mycotoxin.
21. Podetium.
22. Carpospore.
23. Imperfect fungi.

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