



M 26538

Reg. No. : .....

Name : .....

I Semester M.A./M.Sc./M.Com. Degree (Reg./Sup./Imp.)

Examination, November 2014

BOTANY (2014 Admn. under CBSS)

BOT1 C01: Phycology, Mycology and Lichenology

Time : 3 Hours

Max. Marks : 60

**Instruction :** Draw diagrams wherever necessary.

### SECTION – A

1. a) Explain structure, reproduction and lifecycle of Fritschidla. (2x8=16)  
OR  
b) Discuss causes of algal bloom formation. Add a note on their special importance in global climatic change.
2. a) Give general characters of Deuteromycota.  
OR  
b) Explain economic importance of fungi.

### SECTION – B

Answer any two.

3. a) What are desmids ? 1  
b) Explain typical desmid cell. 2  
c) Outline sexual cycle of Cosmarium. 3  
d) What are oomycota ? 1  
b) Describe sex organs of Saprolegnia. 2  
c) Describe somatic mycelium of Phytophthora sp. 3
5. a) Write general characters of Lichens. 1  
b) Outline classification of Lichens. 2  
c) Explain economic importance of Lichens. 3  
(2x6=12)



## SECTION-C

Answer any six. (6x3=18)

6. Ainsworth
7. Mycorrhizae
8. Chaetomium
9. Myxomycota
10. Heleiocyst
11. Thallus of ulva
12. Acetabularia
13. Ecological role of Lichens.

## SECTION-D

Answer any seven. (7x2=14)

14. Claviceps
15. Hypobasidium in Auricularia
16. Mycelium of Cercospora
17. Mycotoxins
18. Parmelia
19. Sex organs of Nitella
20. Cell structure of Chlamydomonas
21. Endosymbiotic algae
22. Microcystis
23. Heterothallism