



K19P 1473

Reg. No. :

Name :

I Semester M.Sc. Degree(CBSS - Reg./Suppl./Imp.)

Examination, October -2019

(2014 Admission Onwards)

BOTANY

BOT 1C01 : PHYCOLOGY, MYCOLOGY AND LICHENOLOGY

Time : 3 Hours

Max. Marks : 60

SECTION - A

(2 × 8 = 16)

1. a) Give an account of the thallus organisation in cyanophyceae.

(OR)

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

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

(OR)

- b) Explain the life - cycle of Phytophthora.

SECTION - B

(Answer any Two)

(2 × 6 = 12)

3. a) What are fruticose lichens.

- b) Write on the ecological role of lichens.

- c) Explain the mode of reproduction in lichens.

(1+2+3)

4. a) What are mycotoxins.

- b) Write on role of fungi in biological control of pathogens.

- c) Give the structure of Synchytrium.

(1+2+3)

5. a) What are akinetes?

- b) Give the structure of Microcystis.

- c) Reproductive structures in Nitella.

(1+2+3)

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SECTION - C

(Answer any **Six**)

(6 × 3 = 18)

6. Classification Navicula
7. Morphology of Cosmarium
8. Characteristic features of Pitho phora
9. Write on sexual incompatibility.
10. Fungi a symbionts.
11. Fungi as biocontrol agents.
12. Reproduction in lichens.
13. Structure of Albugo.

SECTION - D

(Answer any **Seven**)

(7 × 2 = 14)

14. Calcarious algae.
 15. Mucilage in algae.
 16. Parasitic algae.
 17. Pleurilocular sporangia
 18. Ainsworth
 19. Arbuscular mycorrhizae
 20. Lycoperdon
 21. Soredia
 22. Xylaria
 23. Ascus
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