



K20U 1267

Reg. No. :

Name :

**III Semester B.Sc. Degree (CBCSS – Sup./Imp.) Examination, November 2020
(2014 – '18 Adms)**

**CORE COURSE IN BOTANY/PLANT SCIENCE
3B03 BOT/PLS : Phycology, Mycology and Lichenology**

Time : 3 Hours

Total Marks : 40

SECTION – A

Answer **all**.

1. Rhizines are seen in _____
a) Fungi b) Algae c) Bacteria d) Lichens
2. _____ is an example of Fungi imperfecti.
a) *Puccinia* b) *Agaricus* c) *Cercospora* d) *Rhizopus*
3. Soil inhabiting lichens are called _____
a) Saxicolous b) Terricolous c) Corticolous d) None
4. *Usnea* is an example of _____ lichen.
a) Crustose b) Foliose c) Fruticose d) Terricolous

(1×4=4)

SECTION – B

Answer **any eight**.

5. Name the fruiting bodies of the Ascomycetes fungi.
6. Define heterothallism.
7. Give an account of sex organs in *Chara*.
8. What are the pigments present in red algae ?
9. Role of algae in medicine – discuss.

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10. Define neuromotor apparatus of cell.
11. List out the general characters of Phaeophyceae.
12. Classify lichens based on habit of growth.
13. Explain Cephaloidea.
14. Define mycorrhiza.
15. Describe the mode of nutrition in lichens.
16. Describe the fruiting body of ascolichen.

(8×2=16)

SECTION – C

Answer **any four**.

17. Describe the reproduction method in *Rhizopus*.
18. Bring out the general characters of the group Basidiomycetes.
19. Briefly discuss the salient features of Rhodophyceae.
20. Describe the asexual reproduction in *Vaucheria*.
21. Differentiate between lichen and fungi.
22. Explain heteromerous lichen thallus.

(4×3=12)

SECTION – D

Answer **any one**.

23. Write an essay on the economic importance of fungi.
24. Describe the life cycle of *Polysiphonia* with diagrams.
25. Write an essay on the economic and ecological importance of lichens.

(1×8=8)