

0014674



Reg. No. : .....

Name : .....



K19U 3170

I Semester B.Sc. Degree (CBCSS-Supplementary/Improvement)

Examination, November - 2019

(2014-2018 Admissions)

COMPLEMENTARY COURSE IN BOTANY/ PLANT SCIENCE  
1C01 BOT/PLS: DIVERSITY OF LIFE- MICROBES AND THALLOPHYTES

Time : 3 Hours

Max. Marks : 32

SECTION - A

Answer All.

(5x1=5)

1. The source of Agar-Agar is
  - a) Cyanophyceae
  - b) Phaeophyceae
  - c) Rhodophyceae
  - d) Chlorophyceae
2. Reserve food in Fungi is
  - a) Glycogen
  - b) Starch
  - c) Protein
  - d) Glucose
3. The genetic material in viruses is
  - a) only RNA
  - b) only DNA
  - c) DNA or RNA
  - d) only protein
4. Thallus of Volvox is a
  - a) Coenocyte
  - b) Coenobium
  - c) Mycelium
  - d) Trichome
5. Mode of nutrition in Lichen is
  - a) Heterotrophic
  - b) Chaemotrophic
  - c) Autotrophic
  - d) Parasitic

P.T.O.

**SECTION- B**

(Answer any **Four**) Write short notes on the following. **(4x2=8)**

6. Vegetative reproduction in Cyanobacteria.
7. Thallus of *Volvox*.
8. Anatomy of *Sargassum stipe*.
9. Uredial stage of *Puccinia*.
10. External features of *Usnea*.
11. Cell wall of Prokaryotes

**SECTION- C**

(Answer any **Three**) Write explanatory notes on the following. **(3x3=9)**

12. General characters of Chlorophyceae.
13. Harmful effects of Fungi.
14. Male reproductive organ in *Chara*.
15. Lichen and its types.
16. Structure of Bacteriophage.

**SECTION- D**

(Answer any **Two**) **(2x5=10)**

17. Describe the structure and reproduction in *Nostoc*.
  18. Give an account on the economic importance of Algae.
  19. Describe the reproduction in Fungi.
  20. Give an account of structure and reproduction in Bacteria.
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