



Reg. No. :

Name :

0089585



K19U 2519

III Semester B.Sc. Degree (CBCSS-Reg./Suppl./Imp.)

Examination, November - 2019

(2014 Admn. Onwards)

CORE COURSE IN BOTANY/ PLANT SCIENCE

3B 03BOT/PLS- PHYCOLOGY, MYCOLOGY AND LICHENOLOGY

Time : 3 Hours

Max. Marks : 40

SECTION-A

Answer **All**.

(4x1= 4)

1. Name an antibiotics obtained from Fungi.
 - a) Chlorellin
 - b) Penicillin
 - c) Lichinin
 - d) Alginine
2. The fungal component of Lichen is called_____.
 - a) Mycobiont
 - b) Phycobiont
 - c) Photobionr
 - d) Autobiont
3. _____is the male sex organ of *Chara*.
 - a) Nucule
 - b) Globule
 - c) Nannandrium
 - d) Spermagonium
4. Which fungus belongs to the group Fungi Imperfecti.
 - a) *Cercospora*
 - b) *Rhizopus*
 - c) *Penicillium*
 - d) *Puccinia*

SECTION-B

Answer any **Eight**.

(8x2=16)

5. What are the stored food in Bacillariophyceae and Phaeophyceae.
6. What are the pigments present in Red algae.

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(2)



7. Explain Palmella stage.
8. What are Diatomites.
9. What are amyllum stars? Give an example.
10. Define spermatium.
11. Explain Perithecium with an illustration
12. Define appressorium
13. Explain Dolipore septum
14. Define terricolous and corticolous lichens
15. Define Soredia
16. Describe heteromerous lichen thallus

SECTION - C

Answer any **Four**.

(4x3=12)

17. Explain the organization of thallus in Chlorophyceae
18. Describe the sexual reproduction in *Oedogonium*
19. List out the characters of Ascomycetes fungi
20. Briefly explain the importance of fungi in industry
21. Explain the method of vegetative reproduction in lichens
22. Lichen are indicators of pollution - Discuss

SECTION - D

Answer any **One**.

(1x8=8)

23. Outline the classification of Fungi based on Alexopolous
24. Write an essay on the economic importance of Algae
25. Describe the salient features of lichen

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