

D 72930

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Name.....

Reg. No.....

**FIRST SEMESTER M.A./M.Sc./M.Com. DEGREE EXAMINATION
DECEMBER 2019**

(CBCSS)

Botany

**BOT 1C 02—MYCOLOGY, LICHENOLOGY, MICROBIOLOGY AND PLANT PATHOLOGY
(2019 Admissions)**

Time : Three Hours

Maximum : 30 Weightage

Part A

*Answer any four questions.
Each question carries 2 weightage.*

1. Describe different kinds of zoospores in fungi.
2. Write a note on methods of reproduction in lichen ?
3. What are dimorphic fungi ? Give examples.
4. Give an account on prions and viroids.
5. Write a note on exclusion principle plant protection.
6. Comment on the economic importance of cyanobacteria.
7. Explain the structure capsule, how is it different from slime ? Mention their functions.

(4 × 2 = 8 weightage)

Part B

*Answer any four questions.
Each question carries 3 weightage.*

8. Give an account on microbial production of antibiotics and other therapeutics.
9. Explain the preventive measures employed to control food spoilage.
10. Give an account of organization and structure of TMV and T4 phage.
11. Explain biofertilizers with example.
12. What are mycorrhizae ? Write a note on its significance.

Turn over

13. Explain different type of fructifications seen in mitosporic fungi.
14. Give an account of various type of ascocarps found in Ascomycetes.

(4 × 3 = 12 weightage)

Part C

Answer any two questions.

Each question carries 5 weightage.

15. Give a detailed account on the symptoms causal organism, disease cycle and control measures of :
(a) Late blight of potato. (b) Tikka disease of ground nut.
16. Explain the classification of fungi by Ainsworth and Bisby and describe the characters of major groups.
17. What are the general characters of Basidiomycetes? Add a note on their economic importance.
18. Give an account on the role of micro-organisms in waste water and sewage treatment.

(2 × 5 = 10 weightage)