

19P129

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Name:

Reg. No.....

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CUCSS PG)

**CC19P BOT1 C02 – MYCOLOGY AND LICHENOLOGY, MICROBIOLOGY AND
PLANT PATHOLOGY**

(Botany)

(2019 Admission Regular)

Time: Three Hours

Maximum: 30 Weightage

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

1. Briefly explain the food preservation methods.
2. What is coprophilous fungus? Explain its importance.
3. Describe the spread and transmission of plant diseases.
4. Explain the significance of biocides in plant protection.
5. Write a note on the different types of fungal spores.
6. What are fungi Imperfecti? Distinguish between pycnidium and acervulus.
7. Write a notes on the reproductive bodies of lichens.

(4 x 2 = 8 Weightage)

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

8. Compare and contrast the structure of TMV and T4 Phage.
9. Write an account of rhizosphere and phylloplane microbes.
10. Illustrate the sexual reproduction in Zygomycetes.
11. Explain the *biotic* and *abiotic* causes of plant diseases.
12. Write an account of the etiology, symptoms, disease cycle and control measures of Blister blight of tea.
13. Explain the ecological and economic importance of lichens.
14. Describe the role of fungus in organic matter decomposition.

(4 x 3 = 12 Weightage)

III. Answer any **two** questions. Each question carries 5 weightage.

15. Explain ultra-structure and genetics of bacteria.
16. Elucidate the details of structural and biochemical basis of host pathogen interactions.
17. Elucidate different types of mycorrhizae and its importance as a fungal symbiont.
18. Write an essay on plant virus and its transmission.

(2 x 5 = 10 Weightage)
