

**20P129**

(Pages: 1)

Name: .....

Reg. No.....

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2020**

(CBCSS-PG)

(Regular/Supplementary/Improvement)

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

(Botany)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

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

1. Write detailed note on Vesicular Arbuscular Mycorrhiza.
2. Explain briefly Heterothallism in Fungi.
3. Describe the different kinds of fungal spores and their dispersal.
4. Write an account on the salient features of Cyanobacteria.
5. Write an account on the biofertilizers and biopesticides.
6. Explain Host-Parasite interaction.
7. Distinguish between Archaeobacteria and Eubacteria.

**(4 x 2 = 8 Weightage.)**

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

8. Write an account on ecological significance and economic importance of lichens.
9. Write an account on Prions, Viruses and Mycoplasmas.
10. Write an elaborate note on microbiology of Rhizosphere and Phylloplane.
11. Explain the process of Mechanical, Physiological and Enzymatic action of infection.
12. Give symptoms, casual organism and control measures of Late blight of Potato.
13. Explain the Saprobic, Biotrophic and Symbiotic nutrition in Fungi.
14. Elaborate the methods of Plant disease management.

**(4 x 3 = 12 Weightage)**

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

15. Explain the fungal decomposition of organic matter, indicating nutritional types.
16. Write an essay on Industrial use of Microbes and various microbial products.
17. Write an essay on Ascomycota with special emphasis on its reproduction.
18. Elaborate the Causal agents of Plant diseases.

**(2 x 5 = 10 Weightage)**

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