

24P129

(Pages: 2)

Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2024
(CBCSS - PG)
(Regular/Supplementary/Improvement)
**CC19P BOT1 C02 - MYCOLOGY AND LICHENOLOGY, MICROBIOLOGY AND PLANT
PATHOLOGY**
(Botany)
(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

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

1. Write an account on cell structure in fungi.
2. Explain reproduction in Mastigomycota.
3. Write an account on fungal decomposition of organic matter.
4. Give a short note on bacteria.
5. Define Plasmids.
6. What are biofertilizers?
7. Write the etiology and control measures of Powdery mildew of Rubber.

(4 × 2 = 8 Weightage)

Part-B

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

8. Briefly explain phylogeny in fungi.
9. Write an account on different types of mycorrhiza and their importance in agriculture.
10. Explain Sewage disposal methods in details.
11. Describe the transduction in Bacteria.
12. Describe the production of any five industrial products.
13. Mention the different symptoms of Plant diseases.
14. Narrate the structural and biochemical defense mechanisms in plants.

(4 × 3 = 12 Weightage)

Part-C

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

15. Write an essay on Basidiomycota with special emphasis on Basidiocarp.

16. Write an account on different groups of lichen based on thallus. Explain the vegetative propagules and economic importance of lichens.
17. Write in detail about food spoilage and preservation methods.
18. Discuss the etiology, symptoms and control measures of Coffee rust and why this disease is very severe in SriLanka and not very serious in peninsular India.

(2 × 5 = 10 Weightage)
