

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2025**

(CBCSS - PG)

(Regular/Supplementary/Improvement)

**CC19PBOT1C02 - 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 a brief account on classification in fungi proposed by Ainsworth & Bisby (1983)
2. Write an account on general characters of Ascomycota.
3. Write an account on fungal decomposition of organic matter.
4. Explain Water purification methods.
5. Write a short note on Lambda virus.
6. Explain SCP.
7. Explain the symptoms and name the causal agent of a bacterial disease that you have studied.

**(4 × 2 = 8 Weightage)****Part-B**Answer any ***four*** questions. Each question carries 3 weightage.

8. Give a general account on Mitosporic fungi and add a note on its reproduction.
9. Elucidate different types of mycorrhizae and its importance as fungal symbiont.
10. Give a short note on Prions, Mycoplasmas and Viroids
11. Describe the transduction in Bacteria.
12. Describe the industrial production of alcohol.
13. Explain the process of penetration and entry of pathogen into the host tissue.
14. Discuss the etiology and management practices of tikka disease of groundnut.

**(4 × 3 = 12 Weightage)**

### **Part-C**

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

15. Write an essay on heterothallism in fungi.
16. Explain classification in lichen and add a note on its ecological and economic importance.
17. Write an account on soil management and explain the use of biofertilizers and biopesticides.
18. Write an account on Plant disease management.

**(2 × 5 = 10 Weightage)**

\*\*\*\*\*