

D 52776

(Pages : 2)

Name.....

Reg. No.....

**FIRST SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, NOVEMBER 2023**

(CBCSS)

Botany

**BOT 1C 02—MYCOLOGY, LICHENOLOGY, MICROBIOLOGY AND PLANT
PATHOLOGY**

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

Part AI. Write short answers/notes on any *four* questions (Each answer not to exceed five sentences) :

- 1 What are important cell wall components of fungi ?
- 2 What is heterothallism ? Write significance.
- 3 What are coprophilous fungi ? Give an example.
- 4 Give an account on structural details of bacteriophage.
- 5 What are vaccines ? Explain different types of vaccines now a days available.
- 6 Explain emergence of Iatrogenic disease conditions in plants ?
- 7 Write causative agent, symptoms and control measures to bacterial blight of paddy.

(4 × 2 = 8 weightage)

Part BII. Answer any *four* of the following (Each answer not exceed 250 words) :

- 8 Give an outline on classification of fungi by Ainsworth and Bisby (1983).
- 9 What are distinguishing features of Ascomycota ? Add a note on its important affinities.
- 10 Describe ecological significance and economic importance of lichens.
- 11 Prepare short notes on; a. Biopesticides b. Antibiotics c. Bergey's Manuel.
- 12 Give an elaborate account on various methods applied to preservation of food.

Turn over

- 13 Explain ways of spread and transmission of plant diseases.
- 14 What are important biotic causes of plant diseases ?

(4 × 3 = 12)

Part C

Answer any two questions. (Each answer not to exceed 500 words) :

- 15 Discuss mode of reproduction in fungi.
- 16 Describe thallus structure, reproductive structures and ecological significance of *Aspergillus*.
- 17 Give an elaborate account on host parasite interaction.
- 18 Explain morphology, ultrastructure and genetic aspects of Eubacteria.

(2 × 5 = 10)