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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 weightage)

Part C

III. 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 lichens.

17 Give an elaborate account on host parasite interaction.

18 Explain morphology, ultrastructure and genetic aspects of Eubacteria.

(2 × 5 = 10 weightage)