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Sl. No.

21MBL1C2L

M.Sc. I Semester Degree Examination, April/May - 2023

MICROBIOLOGY

MB-DSC-2 : Mycology and Phycology

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions with Question No. 1 (Q. 1) **Compulsory**, each question carries **equal** marks.

1. Write a detailed note on fungal interactions with plants. **14**
2. Explain the classification of fungi up to the order according to Alexopoulos and Mims. **14**
3. Explain the various types of algal diversity based on habitat. **14**
4. Describe fungi as a biocontrol agent. **14**
5. Explain the economic importance of algae and its significance in agriculture. **14**
6. (a) Write a note on role of algae in heavy metal removal. **7**
(b) Describe the fungal potential applications in industrial and food sector. **7**
7. (a) Explain the role of fungi for bio-deterioration of wood, paper and textile. **7**
(b) Write a note on physiological specialization in fungi. **7**
8. (a) Describe Heterothallism and parasexual life cycle in fungi. **7**
(b) Explain the significance of Mycotoxins. **7**

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