



## **ED-316**

M.Sc. 1st Semester  
Examination, March-April 2021

### **BOTANY**

Paper - III

Microbiology, Phycology and Mycology

*Time* : Three Hours] [*Maximum Marks* : 80

[*Minimum Pass Marks* : 16

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**Note** : Answer **all** questions. All questions carry equal marks.

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#### **Unit-I**

1. Give general account and ultrastructure of Eubacteria.

**OR**

Write notes on the following :

- (a) Biological importance of Cyanobacteria
- (b) Economic importance of Archaeobacteria

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**(Turn Over)**

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**Unit-II**

2. Write an essay on viral replication.

**OR**

Write notes on the following :

- (a) Phytoplasma
- (b) Transmission of viruses

**Unit-III**

3. Give an account of diversified distribution of algae in different habitats.

**OR**

Write notes on the following :

- (a) Algal pigments
- (b) Classification of chlorophyta and xanthophyta

**Unit-IV**

4. Describe reproduction in fungi.

**OR**

Write notes on the following :

- (a) VAM fungi
- (b) Fungi as biocontrol agent