



## **FD-316**

M.Sc. 1st Semester  
Examination, Dec.-Jan., 2021-22

### **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. Describe nutrition and reproduction of Eubacteria.

**OR**

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*(Turn Over)*

( 2 )

Write short notes on the following :

- (a) Biological importance of cyanobacteria
- (b) Difference between gram positive and gram negative bacteria

**Unit-II**

- 2. Write the general characteristics of phytoplasma and discuss its role in causing plant disease.

**OR**

Write short notes on the following :

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

**Unit-III**

- 3. Write an essay on pigmentation and prennation in algae.

**OR**

Write short notes on the following :

- (a) Edible algae
- (b) Thallus organization in algae

( 3 )

**Unit-IV**

4. Give a detailed account of Ascomycotina.

*OR*

Write short notes on the following :

(a) Fungi as biocontrol agent

(b) Parasexuality

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