

CD-316

M. Sc. (First Semester) EXAMINATION, Dec.-Jan., 2018-19

BOTANY

Paper Third

(Microbiology, Phycology and Mycology)

Time : Three Hours

Maximum Marks : 80

Minimum Pass Marks : 16

Note : Attempt all the *four* questions. *One* question from each Unit is compulsory. All questions carry equal marks.

Unit—I

1. Give ultrastructure and salient features of Cyanobacteria.

Or

Write notes on the following :

- (a) Nutrition in bacteria
- (b) Reproduction in bacteria

Unit—II

2. Write a note on isolation and purification of virus.

Or

Write notes on the following :

- (a) Economic importance of viruses
- (b) Virusoids

(B-71) P. T. O.

Unit—III

3. Write an essay on economic importance of algae.

Or

Write notes on the following :

- (a) Perennation in algae
- (b) Evolution and development of sex in algae

Unit—IV

4. Give an account of ascus development and ascocarps in *Ascomycotina*.

Or

Write notes on the following :

- (a) Economic importance of fungi
- (b) Heterothallism in fungi

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