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**X—35—2019**

**FACULTY OF SCIENCE**

**B.Sc. (First Year) (First Semester) (Regular) EXAMINATION**

**OCTOBER/NOVEMBER, 2019**

**(New Pattern)**

**BOTANY**

**Paper I**

**(Viruses, Bacteria, Algae, Fungi, Lichens and Mycorrhiza)**

**(Friday, 18-10-2019)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—2 Hours*

*Maximum Marks—40*

*N.B. :— (i) Attempt All questions.*

*(ii) Illustrate your answers with suitably labelled diagrams wherever necessary.*

1. Describe ultrastructure of bacterial cell and add a note on binary fission. 15

*Or*

Write notes on :

(a) Structure of basidiocarp in Agaricus 8

(b) Classification of fungi by Alexopolous and Mims. 7

2. Describe the thallus structure of Oedogonium and add a note on asexual reproduction in Oedogonium. 15

*Or*

Write notes on :

(a) Types of Lichen 8

(b) General characters of mycorrhiza. 7

P.T.O.

3. Attempt any *two* of the four :

10

- (a) Economic importance of viruses
- (b) Structure of Nostoc filament
- (c) Nutrition in fungi
- (d) Economic importance of Lichens.