

(041410102)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2017

FIRST SEMESTER

Branch – Botany

Paper I — MICROBIOLOGY, MYCOLOGY AND PLANT PATHOLOGY

Time : 3 Hours

Max. Marks : 70

**SECTION – A**

Answer any FIVE questions. Each question carries 4 marks.

(Marks : 5 × 4 marks = 20 marks)

- Viral transmission
- Immunology
- Bacterial nutrition
- Reproduction in bacteria
- Eumycota
- Mycorrhizae
- Viroids
- Disease control

**SECTION – B**

Answer ONE question from each Unit.

(Marks : 14 × 12.5 marks = 50 marks)

- (a) Mention the ultra structure of Viruses.

**Or**

- (b) Write a note on replication of Viruses.

- (a) Give a detailed account on general characters of Bacteria.

**Or**

- (b) Bring out the salient features of biological importance of Bacteria.

[P.T.O.]

11. (a) Discuss the unicellular and multi cellular organization in Fungi.

Or

(b) Mention the phylogeny of Fungi.

12. (a) Describe the bacterial infection and disease development in plants.

Or

(b) Write a note on biological control of plant diseases.