

15011

M.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

FIRST SEMESTER

Botany

Paper I — BIOLOGY AND DIVERSITY OF VIRUS, BACTERIA, FUNGI AND
PLANT PATHOLOGY

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 page.

1. Viroids
2. Economic importance of virus
3. Reproduction in Bacteria
4. Bacterial classification
5. Mushroom cultivation
6. Fungal nutrition
7. Tikka diseases of Ground nut
8. Powdery mildew of Grapes

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Mention the ultrastructure of Virions.

Or

10. Write a note on replication and transmission of Viruses.

11. Give an account on economic importance of Bacteria.

Or

12. Discuss the general characters of Phytoplasma.

13. Bring out the salient features of Lichens.

Or

14. Write an account on reproduction in Fungi.

15. Describe the bacterial diseases to plants and its control measures.

Or

16. How to detect the pathogens and mention the plant microbe beneficial interaction?

