

15062

M.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

FIRST SEMESTER

Microbiology

Paper II — BACTERIOLOGY AND VIROLOGY

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — ($5 \times 3 = 15$ marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 page.

1. Cyanophycin granules.
2. Capsule.
3. Anoxygenic photosynthetic bacteria.
4. Rickettsiae.
5. D1 particles.
6. Cryptogram.
7. Acyclovir.
8. Interferon.

PART B — ($4 \times 15 = 60$ marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Describe the cell membrane structure, composition and properties.

Or

10. Write an essay on reserve food materials.

11. Write the characteristics, classification and economic importance of mycoplasmas.

Or

12. Narrate the salient features of ICTV.

13. Describe sub viral agents.

Or

14. Outline the properties, chemical composition morphology and architecture of viruses.

15. Explain replication strategies of animal viruses.

Or

16. Write an essay on Vaccines.

