

SEPTEMBER 2002

[KH 231]

M.Sc. (Non-Clinical) DEGREE EXAMINATION.

Final — Branch V — Microbiology

Paper I — GENERAL BACTERIOLOGY AND  
IMMUNOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

All questions carry equal marks.

1. Discuss the structure and functions of bacterial cell wall. (25)
2. Define sterilisation and give an account of sterilisation by moist heat. (25)
3. Describe the various types of agglutination reactions used in the diagnosis of various diseases. (25)

4. Write briefly on : (5 × 5 = 25)
  - (a) Louis Pasteur
  - (b) Oxygen requirement of bacteria
  - (c) Plasmids
  - (d) Selective media
  - (e) T.A.B. Vaccine.