

**APRIL 2003**

**[KI 231]**

**Sub. Code : 2976**

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.

1. Describe the various parts of the bacteria that play a role in their virulence. (25)
  2. Enumerate the various antigen-antibody reactions. Write a note on the different types of ELISA. (25)
  3. Write briefly on : (5 × 5 = 25)
    - (a) Sporocidal disinfectants.
    - (b) Coliform count.
    - (c) Transduction.
    - (d) Monoclonal antibodies.
    - (e) Electron microscopy.
  4. Describe the various strategies of newer vaccines. (25)
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