

APRIL 2001

[KD 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. Give an account of the various growth requirements of bacteria and describe the bacterial growth curve. (25)
  2. Define antigen antibody reaction and describe the various types of precipitation reactions. (25)
  3. Enumerate the physical methods of sterilisation and explain in detail about dry heat sterilisation. (25)
  4. Write briefly on : (5 × 5 = 25)
    - (a) Bacterial spore
    - (b) Mutation
    - (c) Passive immunity
    - (d) Anaerobic culture methods
    - (e) Negative staining.
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