

APRIL 2004

[KK 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

Sec. A & B : Two hours and Sec. A & B : 80 marks
forty minutes

Sec. C : Twenty minutes Sec. C : 20 marks

Answer Sec. A and Sec. B in the **SAME** Answer Book.

Answer Section C in the Answer Sheet provided.

SECTION A — (2 × 15 = 30 marks)

1. Classify culture media. Describe anaerobic culture methods. (15)
2. List the Antigen–Antibody reactions. Write in detail on precipitation reactions. (15)

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on the following :
 - (a) Negative staining
 - (b) Hot Air Oven
 - (c) Fimbriate
 - (d) Bacterial Growth Curve
 - (e) Oxidase Reaction
 - (f) Immunoglobulin G
 - (g) Delayed Hypersensitivity
 - (h) Electron Microscope
 - (i) Monoclonal Antibodies
 - (j) Adjuvants.