

MARCH 2005

[KM 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

Section C : Twenty minutes

Section C : 20 marks

Answer Sections A and B in the SAME Answer Book.

Answer Section C in the answer sheet provided.

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

1. Define Hypersensitivity. Classify hypersensitivity and write in detail on Type I hypersensitivity. (15)

2. Describe the structures of an idealized bacterial cell. (15)

SECTION B — (10 × 5 = 50 marks)

3. Write short notes on :

(a) Gaseous disinfectants

(b) Enriched media

(c) Dark field microscope

- (d) Bacterial spores
 - (e) Methyl red test
 - (f) Uses of HLA typing
 - (g) Active immunity
 - (h) Complement fixation test
 - (i) Autoclave
 - (j) Endotoxins.
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