

September-2007

[KR 231]

Sub. Code : 2976

II. Briefly describe the following : (6 × 5 = 30)

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

Final

Branch V — Microbiology

Paper I — GENERAL BACTERIOLOGY AND
IMMUNOLOGY

Time : Three hours Maximum : 100 marks

Theory : Two hours and
forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

(1) Enumerate the various antigen-antibody
reactions. Write a note on the different types of ELISA. (20)

(2) Discuss the structure and functions of porins
of gram negative bacilli. (15)

(3) Describe antigenic presenting cells and
explain MHC restriction. (15)

(a) Plasmids

(b) DNA probes

(c) Polymerase chain reaction

(d) Natural killer cells

(e) Anerobic culture techniques

(f) Genetic recombination in bacteria.