

FACULTY OF SCIENCE

B.Sc. III – Year Examination, March / April 2015

Subject: Microbiology

Paper – III

Immunology and Medical Microbiology

Time: 3 Hours

Max.Marks: 100

Note: Answer All questions from Part – A & B.

PART – A (8x5 = 40 Marks)

[Short Answer Type]

- 1 Thymus
- 2 Artificial active immunity
- 3 Ig A
- 4 ELISA
- 5 Normal flora of skin
- 6 Endo Toxins
- 7 Recombinant vaccines
- 8 ZN staining

PART – B (4x15 = 60 Marks)

[Essay Answer Type]

- 9 a) Write an essay on secondary organs of immune system.
OR
b) Describe the identification and function of B-lymphocytes.
- 10 a) Discuss on the types of antibodies, properties and their functions.
OR
b) Explain the production and application of monoclonal antibodies.
- 11 a) Describe the methods of collection, transportation and processing of clinical samples for diagnosis.
OR
b) Discuss on antiviral agents – interferon and base analogues.
- 12 a) Write an essay on Filariasis for its etiology and diagnosis.
OR
b) Write an essay on Gonorrhoea for its etiology and diagnosis.
