FACULTY OF SCIENCE
M.Sc. II-Semester Examination, May / June 2015
Subject: MICROBIOLOGY
Paper: II
Immunology

Time: 3 hours Max. Marks: 80

Note: Answer all questions from Part-A and Part-B. Each question carries 4 marks in Part-A and 12 marks in Part-B.

PART – A (8 x 4 = 32 Marks)
(Short Answer Type)

1. ISO antigens
2. B cells
3. Prophylaxis
4. Bacterial Vaccines
5. Macrophage Restriction
6. Auto immunity
7. Neutralization
8. Tumor antigens

PART – B. (4 x 12 = 48 Marks)
(Essay Answer Type)

   OR
   b) Describe the structure and function of immunoglobulins and classify them based on the nature of heavy chain.

10. a) Explain innate and acquired immunity.
    OR
    b) Classify the types of vaccines. Describe the principle and production of DNA vaccines emphasizing on quality assurance and quality control aspects.

11. a) Describe the mechanism of inflammation and the consequences associated with it.
    OR
    b) Explain body’s reaction to infections agents.

12. a) Discuss on labeled antigen and antibody reactions and their application in diagnostic microbiology with examples.
    OR
    b) Explain the immuno diagnosis and immuno prophylxin of cancer.

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