

**FACULTY OF SCIENCE**

**B.Sc. III – Year Examination, March / April 2016**

**Subject : MICROBIOLOGY**

**Paper – III**

**Immunology and Medical Microbiology**

**Time : 3 hours**

**Max. Marks : 100**

**Answer all questions from Part-A and Part-B.**

**Part – A (8 X 5 = 40 Marks)**  
(Short Answer Type)

- 1 Passive immunity
- 2 Macrophages
- 3 Precipitation test
- 4 Haptens
- 5 Complement
- 6 Flora of Human mouth
- 7 Polio vaccines
- 8 Fixed virus

**Part – B (4 X 15 = 60 Marks)**  
(Essay Answer Type)

- 9 a) Elaborate on identification and function of B and T lymphocytes.  
**OR**  
b) Write an essay on primary and secondary organs of immune system.
- 10 a) Explain the production and applications of monoclonal antibodies.  
**OR**  
b) Write an essay on auto immunity and its significance.
- 11 a) Write an essay on normal flora of human body.  
**OR**  
b) What are the general methods of laboratory diagnosis?
- 12 a) Give complete details of the disease amoebiasis.  
**OR**  
b) Give an account on AIDS disease.

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