

QP Code: 104385

Reg . No.....

**First Year M.Sc. MLT Degree Examinations November 2017  
(Microbiology)**

PAPER – IV IMMUNOLOGY

**Time: 3 hrs.**

**Max. marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essays:**

**(10x10 = 100)**

1. Describe the cells involved in immune response.
2. Classify immunity. Explain in detail about innate immunity.
3. What are histocompatibility antigens. Describe the methods of HLA typing.
4. Classify autoimmune diseases with examples. What are the mechanisms of autoimmunity.
5. Describe type III hypersensitivity.
6. What are the components of complement. Describe classical complement pathway.
7. Cytokines.
8. Describe the various agglutination reactions.
9. What is radioimmunoassay.
10. Explain any two primary immunodeficiency diseases.

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