

QP Code : 104385

Reg . No.....

**First Year M.Sc. MLT Degree Examinations - February 2013
(Microbiology)**

PAPER -IV IMMUNOLOGY

Time: 3 hrs.

Max. marks : 100

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

Essays:

(10x10 = 100)

1. Define and classify immunity. Describe acquired immunity in detail.
2. Describe type-4 hypersensitivity reactions in detail with suitable examples.
3. Immunofluorescence- principle, types and applications.
4. Describe in brief the immunology of malignancy.
5. Principle of production of monoclonal antibody and its applications.
6. Classify antigen-antibody reactions. Describe agglutination reactions in detail.
7. Define complements and name the components. Describe classical complement pathway in detail.
8. Principle, types and applications of immunoblot methods.
9. Define and classify immunodeficiency diseases with suitable examples.
10. Define antigen. Types of antigens and determinants of antigenicity.
