

QP Code: 104385

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations
December 2019
(Microbiology)
Paper IV - Immunology**

Time: 3 hrs.

Max. marks: 100

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

Essays:

(10x10=100)

1. What are the main attributes that make a substance a good antigen
2. Principle of Coombs test and its application.
3. Secondary immune response
4. Define precipitation. Describe its clinical application with examples.
5. Give examples of sequestered antigens and its clinical significance.
6. Describe the principle of immunofluorescence and its clinical application.
7. Describe advantages and disadvantages of live vaccine.
8. Primary immunodeficiency diseases.
9. Describe the process of compliment fixation and discuss the biological effects of compliment fixation.
10. Interferon gamma assay and its application
