

QP Code: 101109

Reg. No.:.....

**PG Degree Supplementary Examinations in Microbiology (MD)
October 2019**

Paper I – General Microbiology and Immunology

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. Classify antigen antibody reactions. Discuss in detail about agglutination reactions.

Short essays:

(8x10=80)

2. T-helper cells
3. Type 1 hypersensitivity.
4. Fluorescent microscopy.
5. E test.
6. Role of adjuvants in vaccine.
7. Auto immunity.
8. Cytokines.
9. Plasma sterilisation
