

QP Code: 101109

Reg. No.:.....

**PG Degree Examinations in Microbiology (MD) - May 2017**

**Paper I – General Microbiology and Immunology**

**Time: 3 hrs**

**Max marks:100**

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

**Essays:** (20)

1. Describe the basic structure of antibody. Discuss the laboratory assays of detection of antibody

**Short essays:** (8x10=80)

2. Molecular mechanism of antibiotic resistance.
3. Bacterial flagella
4. Lab diagnosis of autoimmune diseases.
5. Immunological surveillance
6. Biological consequences of complement activation.
7. Testing of in use disinfectants.
8. Approaches to design of vaccine – currently used and in clinical trial.
9. Cytokines.

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