

QP Code:101109

Reg.No.:.....

PG Degree Examinations in Microbiology (MD) - June 2015

Paper I – General Microbiology and Immunology

Time: 3 hrs

Max marks:100

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

Essays: (20)

1. Explain the principle of fluorescence microscopy and discuss its applications

Short essays: (8x10=80)

2. List bacterial virulence factors. Discuss in detail about gram negative cell wall.

3. Discuss bacteriological examination of water.

4. Pathogenesis of auto-immune disorders.

5. Discuss type IV hypersensitivity reaction in detail with examples.

6. Classify immunity and discuss active immunity in detail.

7. Describe the mode of action of quinolones and its clinical uses.

8. Describe Toll- like receptors.

9. List disinfectants used in clinical practice and discuss its applications.
