

QP Code: 101109

Reg. No.:.....

PG Degree Examinations in Microbiology (MD) April 2019

Paper I – General Microbiology and Immunology

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. Enumerate molecular methods used in the diagnosis of infectious diseases.
Discuss in detail the principle, methodology, merits and demerits of Real time (RT) – Polymerase Chain Reaction.

Short essays:

(8x10=80)

2. Disinfectants used in hospitals
3. Biosafety cabinets used in microbiology
4. Microbiome
5. Laboratory acquired infections
6. Discuss immunological methods available for detection of antibodies
7. What is redox potential. Discuss the methods of anaerobic cultivation
8. Mucosal immunity and its applications
9. Immunomodulators
