

QP Code: 101109

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Microbiology
(MD) May 2021**

Paper I – General Microbiology and Immunology

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Enumerate the classes of antibiotics. Discuss the mechanisms of drug resistance in bacteria.

Short essays:

(8x10=80)

2. Gas plasma sterilisation
3. Maintenance of stock cultures and biosecurity
4. Role of complement in health and disease
5. Flow cytometry
6. Immunological surveillance. Add a note on immunotherapy of cancer
7. Microarray
8. Biosafety level 2
9. Systemic autoimmune diseases
