

QP Code: 101109

Reg. No.:.....

**PG Degree Supplementary Examinations in Microbiology (MD)
December 2020**

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. Discuss in detail the pathways of activation of complement system. Add a brief note of its action during infection.

Short essays: (8x10=80)

2. Phenotypic and genotypic methods of drug resistance
3. Filamentous appendages of bacteria.
4. Biomedical waste management protocol.
5. Role of microbiologist in HICC
6. PCR
7. Fluorescent microscopy
8. Newer approach for vaccines.
9. Adjuvants.
