

QP Code: 101109

Reg. No.:.....

**PG Degree Supplementary Examinations in Microbiology (MD)
July 2025**

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 the methods and applications of phenotypic conventional methods of Antibiotic susceptibility testing

Short essays: (8x10=80)

2. Bacterial capsule and its importance in diagnosis and prevention of infectious diseases
3. Diagnosis of autoimmune diseases
4. Discuss briefly the functioning of laboratory autoclave. Add a note on biological and chemical indicators.
5. Discuss the role of complement in health and disease
6. Anaerobic culture methods
7. Define Herd immunity and discuss its epidemiological importance
8. Discuss the types and importance of bacterial typing
9. Discuss about Immunoglobulin M(IgM)
