

QP Code: 101109

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Microbiology
(MD) November 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 principle, production, types and applications of Monoclonal antibodies

Short essays: (8x10=80)

2. Discuss the role of Cytokines in the pathogenesis of disease
3. Discuss the principle and applications of lateral flow immunoassay
4. Discuss about Toll-like receptors
5. Testing of disinfectants
6. Discuss the principle and uses of the Fluorescent microscope
7. Discuss the role of genetic variations that are associated with bacterial drug resistance
8. Discuss the role of toxins in Bacterial virulence and pathogenicity
9. Discuss about Normal bacterial flora in health and disease
