

QP Code: 101109

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Microbiology
(MD) July 2023**

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. Explain the mechanism of transplant rejection. Discuss the various methods of typing and crossmatching. Add a note on prevention of graft rejection.

Short essays:

(8x10=80)

2. Biofilm and their role in bacterial resistance.
3. Antigen presenting cells and their role in Immune response.
4. Halogens as disinfectants.
5. Quality assurance and quality control in microbiology.
6. Exotoxins and endotoxins. Enumerate various tests of detection and their uses.
7. Bacteria with defective cell wall.
8. Western blot test.
9. Immunological tolerance.
