

QP Code:104109

Reg. No.:.....

**PG Degree Supplementary Examinations in Microbiology (MD)
January 2024**

Paper IV - Applied Microbiology and Recent Advances in Microbiology

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. Classify biological agents based on biohazard category. Discuss various biosafety measures in laboratory. Add a note on disinfection of biosafety cabinets.

Short essays: (8x10=80)

2. Bacteriology of air
3. Laboratory accreditation
4. Hospital antibiotic policy and its importance
5. Give an account of infectious disease outbreaks in India in the last 5 years
6. Role of MALDI – TOF in diagnostic microbiology
7. Vaccine delivery system
8. Post exposure prophylaxis
9. Automation in microbiology
