

QP Code:104109

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Microbiology
(MD) November 2025**

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. Plan a Disinfection policy for different areas in a newly constructed hospital. Add a note on plan and functioning of the CSSD

Short essays: (8x10=80)

2. Discuss guidelines for diagnosis and follow up in a case of Candidemia
3. Virosome vaccines
4. Discuss the principle and uses of MALDI-TOF MS
5. Discuss the utility of Point of Care tests in Microbiology
6. Discuss the principle and uses of Metagenomic Next-Generation Sequencing (mNGS)
7. Discuss the Care bundle approach in infection prevention
8. Plan an Antimicrobial stewardship program
9. Molecular detection tools in parasitological infections
