

QP Code: 202385

Reg. No.....

**Second Year M.Sc. MLT Degree Regular/Supplementary
Examinations September 2024**

(Microbiology)

Paper VI - Applied Medical Microbiology and Recent Advances

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 diagrams wherever necessary*

Essays:

(10x10=100)

1. Ventilator Associated Pneumonia (VAP).
2. Managing spills of blood and body fluids in microbiology laboratory.
3. Milk borne infection.
4. Microbial biofilm.
5. Hepatitis B and influenza vaccine.
6. Automation in microbiology laboratory.
7. Briefly describe phenotypic and genotypic typing methods for bacterial isolates.
8. Quality control for culture media in microbiology laboratory.
9. Real-time PCR: principle and its application in medical microbiology.
10. List five commonly used laboratory animals and describe its use.
