

QP Code: 202385

Reg. No.....

**Second Year M.Sc. MLT Degree Supplementary Examinations
March 2025**

(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. Define Health Care Associated Infections (HCAI). Briefly discuss about Surgical Site Infections (SSI).
2. What is the principle of PCR. What are its modifications.
3. Automated blood culture system – principle, advantages and uses.
4. Milk borne infections.
5. Briefly discuss about air sampling methods.
6. Biofilm formation, mechanisms, methods of prevention and control.
7. Antimicrobial stewardship programme.
8. Role of microbiology laboratory in surveillance of infectious disease.
9. Handling and breeding of common laboratory animals.
10. Recombinant DNA technology and its applications.
