

QP Code: 202385

Reg. No.....

**Second Year M.Sc. MLT Degree Regular/Supplementary
Examinations September 2023**

(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. Bacteriological analysis of drinking water.
2. Define Health Care Associated Infections (HCAI). Briefly discuss Catheter Associated Urinary Tract Infections (CAUTI).
3. Principle, advantages and uses of Automated blood culture systems.
4. Write briefly about the principle of polymerase chain reaction (PCR). Discuss about the advantages of real time PCR over conventional PCR.
5. Quality control methods in Microbiology laboratory.
6. Different typing methods in Bacteriology.
7. Microbial biofilm – significance and methods of prevention and control.
8. Care and use of mice in a microbiology laboratory.
9. Milk borne infections.
10. Name five viral vaccines and briefly discuss on them.
