

QP Code: 101385

Reg. No.....

**First Year M.Sc. MLT Degree Supplementary Examinations March 2024
(Microbiology)
Paper I - General 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*

Essays:

(10x10=100)

1. Enumerate sporicidal agents. Write in detail about ethylene oxide sterilisation.
2. Biosafety cabinets.
3. Describe anaerobic culture methods.
4. Describe horizontal gene transfer in bacteria.
5. Confocal Microscope.
6. Write in detail about bacterial surface structures.
7. Standard work precautions.
8. Describe general bacterial metabolism. Add a note on bacterial growth curve. (6+4)
9. Write in detail about selective and enrichment media with examples.
10. Describe the tests for enzymes used in diagnostic microbiology.
