

QP Code: 101385

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations  
October 2023**

**(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. Testing of disinfectants.
2. Write in detail about preservation of bacterial cultures.
3. Write in detail about microbial typing.
4. Plasmids and their role in antimicrobial resistance.
5. Describe flagellar staining techniques.
6. Describe anaerobic culture methods.
7. Laboratory safety measures.
8. Enumerate the different methods of moist heat sterilisation. Write in detail about the principle, mechanism, uses and quality control of laboratory autoclave. (3+7)
9. Write in detail about the tests for metabolism of proteins and aminoacids.
10. Fluorescent microscopy.

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