

QP Code: 101385

Reg. No.....

**First Year M.Sc. MLT Degree Supplementary Examinations December 2020
(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. Contributions of Robert Koch to Microbiology.
2. Describe the structure of bacterial cell (morphology) with the help of a neat diagram.
3. Disinfection of thermolabile equipments.
4. Universal safety precautions.
5. Fluorescent staining- principle and uses.
6. Describe the Anaerobic culture methods.
7. Scanning Transmission Electron Microscope (STEM) - Principle and uses.
8. Describe in detail biochemical tests for protein and amino acid metabolism in diagnostic Microbiology.
9. Discuss in detail about the preservation of bacteria.
10. Extra chromosomal genetic elements in bacteria.
