

QP Code: 101385

Reg. No.....

First Year M.Sc. MLT Degree Examinations November 2018

(Microbiology)

Paper I - General Microbiology

Time: 3 hrs.

Max. marks: 100

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays:

(10x10=100)

1. Draw and label bacterial flagella. Describe in detail about the antigenic structure, functions, staining methods of flagella.
2. Commonly used liquid culture media - Preparation, use and its control.
3. Electron microscope.
4. Fluorescent staining – principle and its uses.
5. Plasma sterilization.
6. Low temperature steam sterilization.
7. Describe in detail the tests for protein and amino acid metabolism.
8. Conjugation.
9. Classify bacteria based on growth requirements and describe in detail about bacterial growth curve.
10. Biosafety cabinets.
