

QP Code : 101385

Reg . No.....

**First Year M.Sc. MLT Degree Supplementary Examinations – May 2016
(Microbiology)**

PAPER – I GENERAL MICROBIOLOGY

Time : 3 hrs.

Max. marks : 100

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

Essays:

(10x10 = 100)

1. Explain briefly the structure and functions of bacterial cell wall.
2. Discuss the factors affecting microbial growth.
3. Principle and uses of electron microscopy.
4. Laboratory accreditation process and its rationale.
5. Bio safety cabinets.
6. Anaerobic culture methods.
7. Enzyme based tests in diagnostic bacteriology.
8. Bacterial exotoxins.
9. Extra chromosomal genetic elements in bacteria.
10. Factors influencing the performance of chemical disinfectants. Describe the role of oxidizing agents and hydrogen peroxide as disinfectants.
