

QP Code : 101385

Reg . No.....

**First Year M.Sc. MLT Degree Examinations – January 2014
(Microbiology)**

PAPER – I GENERAL MICROBIOLOGY

Time : 3 hrs.

Max. marks : 100

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

Essays:

(10x10 = 100)

1. Describe the morphology of the bacteria with a neat labeled diagram.
2. Discuss contribution of Robert Koch towards microbiology.
3. Discuss about various biochemical tests used in identification of bacteria and its quality control
4. Describe anaerobic culture methods
5. Explain the safety methods followed in microbiology laboratory
6. Discuss chemical sterilization.
7. Preservation of bacteria.
8. Regulation and expression of gene activity in bacteria
9. Discuss the method of bacteriological smear preparation and the gram staining techniques.
10. Explain in detail about bacterial growth requirement.
