

QP Code : 202385

Reg . No.....

**Second Year M.Sc. MLT Degree Examinations – February 2015
(Microbiology)**

PAPER – VI APPLIED MEDICAL MICROBIOLOGY AND RECENT ADVANCES

Time : 3 hrs.

Max. marks : 100

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

Essays:

(10x10 = 100)

1. Explain briefly about re-emerging infectious diseases.
2. Accreditation process for a clinical microbiology laboratory.
3. Immunofluorescence assay- Principle, method and applications in diagnosis of infectious diseases.
4. Basic principles and applications of real time polymerase chain reaction.
5. Microbiology of milk, milk products and infections related to them.
6. Microbial biofilms- Pathogenesis and prevention.
7. Applications of common laboratory animals in diagnosis of viral infections.
8. Viral vaccines- types and its applications.
9. Waste management in a clinical laboratory.
10. Enumerate organisms causing meningitis and approach to laboratory diagnosis of pyogenic meningitis.
