

**QP Code: 102385**

**Reg . No.....**

**First Year M.Sc. MLT Degree Examinations November 2017  
(Microbiology)**

**PAPER – II SYSTEMATIC AND DIAGNOSTIC BACTERIOLOGY**

**Time: 3 hrs.**

**Max. marks : 100**

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

**Essays:**

**(10x10 = 100)**

1. Name the toxins and enzymes produced by staphylococcus aureus. Describe in detail the isolation, identification of staphylococcus aureus
2. Discuss about laboratory diagnosis of tetanus.
3. Discuss about isolation and toxin detection of clostridium botulinum.
4. Define enterobacteriaceae. Describe in detail the laboratory diagnosis of typhoid fever.
5. Discuss about laboratory diagnosis of UTI.
6. Describe the sample collection, processing for diagnosis of pyogenic meningitis.
7. Classify non tuberculous mycobacteria (NTM). Describe in detail the isolation, identification of NTM
8. ESCAPE.
9. Helicobacter.
10. Laboratory diagnosis of syphilis

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