

QP Code : 102385

Reg . No.....

**First Year M.Sc. MLT Degree Examinations – September 2016  
(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 virulent factors and describe the laboratory diagnosis of staphylococcal infections. Add a note on importance of methicillin resistant staphylococcus aureus.
2. Laboratory diagnostic tests for syphilis.
3. Describe the pathogenesis, laboratory diagnosis and prophylaxis against tetanus.
4. Pathogenesis and laboratory diagnosis of plague.
5. Enumerate the infections caused by pneumococci and its laboratory diagnosis.
6. Shigellosis-pathogenesis and laboratory diagnosis
7. Classify mycobacteria. Describe the laboratory diagnosis of pulmonary tuberculosis. Add a note on RNTCP programme.
8. Causative agents and laboratory diagnosis of typhus fever.
9. Describe the pathogenesis and laboratory diagnosis of gonorrhoea.
10. Enumerate the non-sporing anaerobes and the infections caused by them.

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