

QP Code: 102385

Reg . No.....

**First Year M.Sc. MLT Degree Supplementary Examinations May 2018
(Microbiology)**

PAPER – II SYSTEMATIC AND DIAGNOSTIC BACTERIOLOGY

Time: 3 hrs.

Max. marks : 100

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

Essays:

(10x10 = 100)

1. Classify streptococci. Describe the infections caused by streptococcus pyogenes.
Add a note on laboratory diagnosis of S. pyogenes.
2. Define gas gangrene. Describe the etiology, pathogenesis and laboratory diagnosis of gas gangrene.
3. List the causative agents of enteric fever. Describe the pathogenesis and laboratory diagnosis of enteric fever.
4. Discuss the etiology, pathogenesis and laboratory diagnosis of anthrax.
5. List the virulence factors of bordetella pertussis. Explain the pathogenesis and laboratory diagnosis of infections caused by bordetella pertussis
6. Discuss the etiology, pathogenesis and laboratory diagnosis of leprosy.
7. Enumerate the infections caused by nonsporing anaerobes. Describe the laboratory diagnosis in detail.
8. Describe the morphology and cultural characteristics of leptospira. Discuss the pathogenesis and laboratory diagnosis of leptospirosis.
9. Enumerate the different genera in enterobacteriaceae family. Discuss the pathogenesis and laboratory diagnosis of bacillary dysentery.
10. Describe the morphology and cultural characteristics of mycoplasma. Explain the pathogenesis and laboratory diagnosis of mycoplasmal pneumonia
