

QP Code: 102385

Reg. No.....

**First Year M.Sc. MLT Degree Supplementary Examinations April 2019
(Microbiology)**

Paper II - Systematic and Diagnostic Bacteriology

Time: 3 hrs.

Max. marks: 100

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

Essays:

(10x10=100)

1. Discuss the virulence factors of pseudomonas. Describe the pathogenesis and laboratory diagnosis of pseudomonas infection.
2. Explain the pathogenesis and laboratory diagnosis of brucellosis. Add a note on antigenic structure of brucellae.
3. Describe the mode of transmission, pathogenesis and laboratory diagnosis of pulmonary tuberculosis.
4. Classify vibrio cholerae. Discuss the pathogenesis and laboratory diagnosis of cholera.
5. Describe the morphology of streptococcus pneumoniae. Elaborate on its antigenic structure, pathogenicity and laboratory diagnosis.
6. Enumerate the diseases caused by borrelia. Explain the pathogenesis and laboratory diagnosis of relapsing fever.
7. Explain the morphology, growth cycle and laboratory diagnosis of chlamydiae.
8. Describe the pathogenesis and laboratory diagnosis of meningococcal infection. Add a note on antigenic properties of meningococci
9. Discuss the pathogenesis and laboratory diagnosis of botulism. Add a note on Cl. botulinum toxin.
10. Explain the source of infection, pathogenesis and laboratory diagnosis of Listeria monocytogenes.
