

QP Code: 102385

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations**  
**December 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. Name the virulence factors of pneumococci. Describe in detail the isolation, identification of pneumococci.
2. Discuss the laboratory diagnosis of leprosy.
3. Discuss about isolation and toxin detection of corynebacterium diphtheriae.
4. Enumerate bacteria causing dysentery. Describe in detail the laboratory diagnosis of bacillary dysentery.
5. Campylobacter.
6. Sample collection, processing for diagnosis of leptospirosis.
7. Burkholderia pseudomallei
8. Mycoplasma.
9. Isolation and identification of gonococci
10. Methicillin resistant staphylococcus aureus

\*\*\*\*\*