

QP Code: 102385

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations  
August 2024  
(Microbiology)**

**Paper II - Systematic and Diagnostic Bacteriology**

Time: 3 hrs.

Max. marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays:**

**(10x10=100)**

1. Lab diagnosis of Cholera.
2. Actinomycosis.
3. Classify spirochetes. Discuss laboratory diagnosis of syphilis. (3+7)
4. Discuss Etiology, Pathogenesis and laboratory diagnosis of infective endocarditis.
5. Carbapenem Resistant Enterobacterales (CRE).
6. Melioidosis.
7. Lab diagnosis of enteric fever.
8. Clostridium Difficile-Associated Disease (CDAD): Risk factor, Pathogenesis and Lab diagnosis.
9. List the bacterial Zoonotic diseases. Describe the morphology, cultural characteristics, pathogenesis and lab diagnosis of Anthrax causing bacilli.
10. Classify Rickettsia. Describe in detail pathogenesis and Lab diagnosis of Typhus fevers.

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