

QP Code: 102385

Reg. No.....

**First Year M.Sc. MLT Degree Supplementary Examinations
January 2025
(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. Classify streptococci. Write in detail about the laboratory diagnosis of group D streptococcal infections.
2. Methicillin Resistant Staphylococcus Aureus (MRSA). Add a note on methods of MRSA carrier detection.
3. Laboratory diagnosis of pulmonary tuberculosis. Add a note on newer diagnostic methods for pulmonary tuberculosis.
4. Laboratory diagnosis of actinomycetes infections.
5. Enumerate diarrhoeagenic E.coli. write in detail about enterohemorrhagic E.coli.
6. Laboratory diagnosis of enteric fever. Add a note on carrier detection.
7. Describe the pathogenesis and laboratory diagnosis of diphtheria.
8. Enumerate agents causing primary bacterial meningitis. Write in detail about the virulence factors and laboratory diagnosis of meningococcal meningitis.
9. Write in detail about the laboratory diagnosis of syphilis.
10. *Acinetobacter baumannii*.
