

QP Code: 102385

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations
October 2023
(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. Discuss about laboratory diagnosis of Methicillin Resistant Staphylococcus aureus (MRSA). Add a note on clinical significance of Coagulase negative staphylococci. (7+3)
2. Describe the laboratory diagnosis of leptospirosis.
3. Enumerate two bacterial agents causing dysentery. Describe the laboratory isolation and identification of them from stool. (2+8)
4. Describe the etiology and lab diagnosis of pyogenic meningitis. Write briefly about meningococcal meningitis.
5. Clinically significant non-fermenting Gram-negative bacteria.
6. Nocardia spp: Clinical spectrum and lab diagnosis.
7. Enumerate four bacteria causing gas gangrene. Describe the laboratory diagnosis of gas gangrene. (2+8)
8. Quality control in antibiotic susceptibility testing.
9. Laboratory diagnosis of enteric fever.
10. Primary atypical pneumonia.
