

QP Code: 102385

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations
August 2022
(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 in detail laboratory diagnosis of Neisseria meningitis.
2. Classify clostridia. Discuss in detail laboratory diagnosis of clostridium difficile.
3. Laboratory diagnosis of human anthrax.
4. Discuss in detail laboratory diagnosis of Leptospirosis.
5. Kauffmann white classification.
6. Enumerate four bacteria causing diarrhoea. Describe the laboratory diagnosis of cholera. (2+8)
7. Antibiotic resistance mechanisms in gram negative bacteria.
8. Burkholderia pseudomallei.
9. Discuss in detail laboratory diagnosis of extra-pulmonary tuberculosis.
10. Classify streptococci. Discuss in detail laboratory diagnosis of enterococci.
