

QP CODE: 402012

Reg. No:.....

**Final Year B.Sc MLT Degree Regular/Supplementary Examinations
February 2026**

Mycology, Virology & Applied Microbiology

Time: 3 Hours

Total 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*

Essay

(2x10=20)

1. Name four mosquito borne viral diseases. Describe in detail the laboratory diagnosis of any one of them. (2+8)
2. Name four water borne pathogens. Describe in detail the collection, transport and processing of water sample for bacteriological analysis. (2+8)

Short notes

(10x5=50)

3. Sporotrichosis.
4. Laboratory diagnosis of HIV infection.
5. Actinomycosis.
6. Herpes simplex viruses.
7. Catheter associated Urinary tract infection.
8. Laboratory diagnosis of Polio.
9. Interferons.
10. Immunofluorescence.
11. Ventilator associated pneumonia.
12. Oculomycosis.

Answer briefly

(10x3=30)

13. Rose Waaler test.
14. Methicillin Resistant Staphylococcus aureus.
15. Germ tube test.
16. Whey agglutination test.
17. Name three opportunistic fungal infections.
18. India ink preparation.
19. Rotavirus.
20. Name three oncogenic viruses.
21. Chromoblastomycosis.
22. Antinuclear antibody tests.
