

QP CODE: 402012

Reg. No:.....

**Final Year B.Sc MLT Degree Supplementary Examinations
September 2025
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. Draw a labelled diagram of HIV virus. What are the modes of transmission of HIV virus. Discuss the laboratory diagnosis of HIV infection. (2+4+4)
2. What is Systemic Mycoses. Give four examples. Write the laboratory diagnosis of any one of them. (2+2+6).

Short notes

(10x5=50)

3. Mycetoma
4. Pneumocystis jirovecii
5. Cultivation of viruses
6. Antimicrobial resistance
7. Inclusion bodies
8. Dengue virus
9. Settle plate method
10. Nested PCR
11. Opportunistic fungal infections
12. Presumptive coliform count

Answer briefly

(10x3=30)

13. Western blot test
14. Rhinosporidiosis
15. Three viral agents causing diarrhoea.
16. Chemiluminiscence assay
17. Rabies virus
18. Stains used in Mycology
19. Dermatophytes
20. Three oncogenic viruses
21. Turbidity test
22. Viral meningitis
