

QP CODE: 402012

Reg. No:.....

Final Year B.Sc MLT Degree Supplementary Examinations August 2023

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 viruses causing hemorrhagic fever. Describe the laboratory diagnosis and prophylactic measures of any one of them. (2+5+3)
2. Enumerate four fungus causing opportunistic infections. Describe in detail, the laboratory diagnosis of any one of them. (2+8)

Short notes

(10x5=50)

3. Dermatophytosis.
4. Ventilator associated pneumonia.
5. Cytopathic effects in cell culture.
6. Latex agglutination test.
7. Sabouraud's Dextrose agar.
8. Stains for fungal identification.
9. Antifungal susceptibility testing.
10. Rota virus.
11. Viruses causing aseptic meningitis.
12. Actinomycosis.

Answer briefly

(10x3=30)

13. Mycotoxins.
14. Blastomyces.
15. Eijkman test.
16. Turbidity test.
17. Collection and processing of canned foods.
18. Transport and processing of samples for sterility testing from operation theatre.
19. Southern blotting.
20. Name six bacteria causing urinary tract infection.
21. Restricted fragment length polymorphism.
22. Fluorescent antibody tests.
