

**QP CODE: 402012**

**Reg. No:.....**

**Final Year B.Sc MLT Degree Regular/Supplementary Examinations  
March 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 nosocomial infections. Describe in detail, laboratory diagnosis and preventive measures of any one of them. (2+8)
2. Name four dimorphic fungi. Describe in detail the laboratory diagnosis of any one of them. (2+8)

**Short notes**

**(10x5=50)**

3. Candidiasis.
4. Ophthalmic fungal infections.
5. Viral hemorrhagic fever.
6. Polio virus.
7. Laboratory diagnosis of HIV infection.
8. Antifungal susceptibility testing.
9. Dematiaceous fungi.
10. Air sampling methods in operation theatres.
11. Immunofluorescence.
12. Inclusion bodies.

**Answer briefly**

**(10x3=30)**

13. Mycotoxin's.
14. Dermatophytosis.
15. Continuous cell culture.
16. Microbial biofilm.
17. Serological markers of Hepatitis B virus infection.
18. Slide culture.
19. Intra cerebral inoculation for cultivation of viruses.
20. Membrane filtration methods.
21. Paul Bunnell test.
22. Name six vector borne viral diseases.

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