

**QP CODE: 402012**

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

**Final Year B.Sc MLT Degree Supplementary Examinations  
September 2024**

**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 transmitted through blood transfusion. Describe the pathogenesis and lab diagnosis of any one of them. (2+8)
2. Classify dermatophytes. Describe in detail the lab diagnosis of dermatophytoses. (2+8)

**Short notes**

**(10x5=50)**

3. Rhinosporidiosis.
4. Microbiological evaluation of air quality in Operation theatres.
5. Mycotoxins.
6. Viral Hemagglutination test.
7. Mycotic Mycetoma.
8. Recombinant DNA technology.
9. Surgical site infections.
10. Nocardiosis.
11. Epstein Barr virus.
12. Laboratory diagnosis of Varicella Zoster Virus infection.

**Answer briefly**

**(10x3=30)**

13. Defective viruses.
14. Real time Polymerase Chain Reaction.
15. Negri bodies.
16. Name six organisms causing catheter related blood stream infections.
17. Lactophenol cotton blue preparation.
18. Kyasanur Forest disease.
19. Name six pathogens transmitted through milk.
20. Eijkman test.
21. Nipah virus.
22. Otomycosis.

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