

**QP CODE: 402012**

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

**Final Year B.Sc MLT Degree Supplementary Examinations March 2019**

**Mycology, Virology & Applied Microbiology**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Name four paramyxo viruses. Describe in detail the laboratory diagnosis and prophylaxis of any one of them. (2+8)
2. Name four vector borne viral diseases. Describe the pathogenesis, laboratory diagnosis and prophylaxis of any one of them. (2+8)

**Short notes**

**(10x5=50)**

3. Candida albicans.
4. Penicillium
5. Superficial mycosis
6. Preservation of fungal cultures
7. Hepatitis C virus
8. Continuous cell culture
9. Collection and transport of urogenital secretions for viral culture
10. Epstein Barr virus
11. Viruses causing encephalitis
12. Catheter associated sepsis

**Answer briefly**

**(10x3=30)**

13. Nocardia
14. Coccidioides immitis
15. Membrane filtration method for water analysis
16. Methylene blue reduction test.
17. Collection and processing of preserved foods for microbiological investigations
18. Sample collection for sterility testing for operation theatre
19. Northern blotting
20. Name six bacteria causing meningitis
21. Nested PCR
22. Antinuclear antibody tests

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