

QP CODE: 402012

Reg No:.....

Final Year B.Sc MLT Degree Supplementary Examinations March 2018

MYCOLOGY, VIROLOGY & APPLIED MICROBIOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Name four water borne pathogens. Describe in detail the collection and microbiological analysis of water (2+8)
2. Name four medically important DNA viruses. Describe in detail the laboratory diagnosis of any one of them. (2+8)

Short notes

(10x5=50)

3. Laboratory diagnosis of sub cutaneous mycosis
4. Aspergillus
5. Antifungal susceptibility testing
6. Propagation, maintenance and preservation of cell cultures.
7. Automation in microbiology
8. Viral neutralization tests.
9. HCV
10. Laboratory diagnosis of rabies
11. Air sampling methods.
12. Applications of genetic engineering.

Answer briefly

(10x3=30)

13. CMV
14. Application of haemagglutination
15. Egg inoculation methods.
16. Laboratory diagnosis of dengue fever
17. Histoplasma
18. Fungal special stains.
19. Specimen collection and transport for fungal culture
20. Whey agglutination test
21. Name six health care associated infections.
22. Luminescence assay application
