

QP CODE: 402012

Reg No:.....

Final Year B.Sc MLT Degree Examinations, October 2015

MYCOLOGY, VIROLOGY & APPLIED MICROBIOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Enumerate the organisms transmitted through blood transfusion. Explain in detail the methods of screening of blood before transfusion (3+7=10)
2. Name the different methods of viral cultivation. Describe in detail the tissue culture techniques (1+9=10)

Short notes

(10x5=50)

3. Haemagglutination test
4. Collection, preservation and transport of sterile fluids for viral diagnosis
5. Laboratory diagnosis of human immunodeficiency virus infection
6. Hepatitis A virus
7. Mumps virus
8. Candida
9. Fungi causing ophthalmic infections and its diagnosis
10. Define and classify nosocomial infection
11. Automated blood culture techniques
12. Laboratory diagnosis of food poisoning

Answer briefly

(10x3=30)

13. Membrane filtration tests for water borne pathogens
14. Rheumatoid factor
15. Common media used for fungal culture
16. Rhinosporidium
17. Name fungi causing systemic infections
18. Bacteriophage
19. Enumerate live viral vaccine
20. Epstein Barr virus
21. SARS virus
22. Human prion diseases
