

QP CODE: 402012

Reg No:.....

Final Year B.Sc MLT Degree Examinations, September 2014

MYCOLOGY, VIROLOGY & APPLIED MICROBIOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Classify human immunodeficiency virus. Describe in detail the laboratory diagnosis of HIV infection (1+9=10)
2. Name the organisms causing catheter associated urinary tract infection. Describe in detail the laboratory diagnosis of nosocomial UTI (sample collection, processing and sensitivity testing) (2+8=10)

Short notes

(10x5=50)

3. Viral haemorrhagic fevers
4. Laboratory diagnosis of hepatitis B infection
5. Herpes zoster
6. Continuous cell culture
7. Viral neutralization tests
8. Embryonated egg inoculation methods
9. Dermatophytes
10. Opportunistic fungal infections
11. Immunoblotting techniques
12. Sterility testing in operating theatre

Answer briefly

(10x3=30)

13. Nocardia
14. Antifungal sensitivity testing
15. Rhinosporidium
16. Eijkman test
17. C-reactive protein (CRP)
18. Milk ring test
19. Molluscum contagiosum
20. Mice
21. Japanese encephalitis
22. Human papilloma virus
