

Third Year B.Sc MLT Degree Examinations, November 2013

BACTERIOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Enumerate common bacteria causing urinary tract infection. Explain in detail the sample collection, processing and identification of any two pathogens. (3+7=10)
2. Classify mycobacteria. Explain in detail the laboratory diagnosis of pulmonary tuberculosis. (2+8=10)

Short notes

(10x5=50)

3. Coagulase test.
4. Clostridium tetani
5. Laboratory diagnosis of brucellosis.
6. Serological tests for streptococcal infection.
7. Laboratory diagnosis of anthrax.
8. Specific tests for syphilis
9. Laboratory diagnosis of leptospirosis
10. Shigella.
11. Antibiotics which inhibit protein synthesis.
12. Dilution methods of antibiotic sensitivity tests.

Answer briefly

(10x3=30)

13. Elek's test.
14. Selective media for salmonella
15. Weil Felix test.
16. Haemophilus influenzae
17. Pigments produced by pseudomonas
18. Cold agglutination test.
19. Nocardia
20. Laboratory diagnosis of Bordetella pertussis
21. Laboratory diagnosis of gonorrhoea
22. Yersinia.