

Third Year B.Sc MLT Degree Supplementary Examinations March 2017

BACTERIOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Enumerate four common bacteria causing urinary tract infection. Explain in detail the sample collection, processing, antibiotic sensitivity testing and identification of any two pathogens. (2+8=10)
2. Name four bacterial causes of pyrexia of unknown origin. Describe in detail the laboratory diagnosis of any one of them. (2+8=10)

Short notes

(10x5=50)

3. Laboratory diagnosis of plague
4. Clostridium welchii
5. Laboratory diagnosis of dysentery
6. Group A streptococci.
7. Non-sporing anaerobes.
8. Specific test for syphilis.
9. Laboratory diagnosis of pulmonary tuberculosis
10. Neisseria meningitidis
11. El Tor vibrio.
12. Dilution methods of antibiotic sensitivity tests.

Answer briefly

(10x3=30)

13. Tests to identify pneumococci.
14. Selective media for vibrio
15. Enzymes and toxins produced by staphylococcus.
16. Haemophilus influenza
17. Spotted fever
18. Cold agglutination test.
19. Non gonococcal urethritis
20. Listeria.
21. Lyme disease.
22. Donovanosis
