

Third Year B.Sc MLT Degree Examinations, October 2014

BACTERIOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Enumerate the causative agents of enteric fever .Discuss the laboratory diagnosis of Enteric fever. (2+8=10)
2. Classify enterobacteriaceae. Describe the laboratory diagnosis of diarrhea caused by Escherichia coli (2+8=10)

Short notes

(10x5=50)

3. Laboratory diagnosis of scrub typhus
4. Non treponemal tests for diagnosis of syphilis
5. Classification and differentiating features of shigella species
6. Laboratory diagnosis of corynebacterium diphtheria
7. Life cycle of chlamydia
8. Group B streptococcus
9. Serological tests for the diagnosis of leptospirosis
10. Actinomycosis
11. Automation methods for the laboratory diagnosis of tuberculosis
12. Non agglutinating vibrios

Answer briefly

(10x3=30)

13. Phenyl pyruvic acid (PPA) test
14. Listeria
15. Coagulase test
16. Mc Farland standard
17. Bacteriological examination of water for vibrio cholera
18. ASO test
19. Serological diagnosis of brucellosis
20. Pigments produced by pseudomonas aeruginosa
21. Lepromin test
22. Gardnerella vaginalis