

Third Year B.Sc MLT Degree Supplementary Examinations, April 2016

BACTERIOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Enumerate the bacteria causing urinary tract infection. Explain in detail the laboratory diagnosis of urinary tract infection. (2+8=10)
2. Classify the genus staphylococcus. Describe the laboratory diagnosis of infections caused by staphylococcus aureus (2+8=10)

Short notes

(10x5=50)

3. Nagler reaction
4. Blood culture Techniques.
5. Halophilic vibrios
6. X & V factors for haemophilus influenzae
7. Differentiation of tubercle bacilli from non tuberculous mycobacteria
8. RPR (Rapid Plasma Reagin) test
9. Weil Felix test
10. TRIC agents
11. Laboratory diagnosis of gonorrhoea
12. MRSA

Answer briefly

(10x3=30)

13. Laboratory diagnosis of Leprosy
14. Elek's test
15. Clostridium difficile infection
16. Specimen collection of anaerobic infections
17. Yaws
18. Proteus mirabilis
19. Melioidosis
20. Laboratory diagnosis of cutaneous anthrax
21. Kirby Bauer disk diffusion method
22. Antibiotics inhibiting bacterial protein synthesis