

Third Year B.Sc MLT Degree Examinations October 2017

BACTERIOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Describe the laboratory diagnosis of diphtheria. Draw suitable diagram to demonstrate the organism by special staining techniques available. (2+8)
2. Name the different species of staphylococcus. Describe the specimen collection and laboratory diagnosis of staphylococcus. (2+8)

Short notes

(10x5=50)

3. Laboratory diagnosis of typhoid fever
4. Serratia
5. Standard tests for syphilis
6. Common bacterial infections in immuno-compromised
7. Laboratory diagnosis of bacillary dysentery
8. Actinomyces
9. Aetiological agents of acute pyogenic meningitis
10. Haemophilus
11. Laboratory diagnosis of leptospirosis
12. Mycobacterium leprae.

Answer briefly

(10x3=30)

13. Bartonella
14. Anaerobic cocci
15. Yaws
16. Pyocyanin
17. Non-typhoidal salmonella
18. String test for vibrio
19. Burkholderia cepacia
20. Mycobacterium scrofulaceum
21. Weil Felix Test.
22. Laboratory diagnosis of rat-bite fever