

Third Year B.Sc MLT Degree Supplementary Examinations April 2019

Bacteriology

Time: 3 Hours

Total Marks: 100

- **Answer all Questions.**
- **Draw Diagrams wherever necessary.**

Essay

(2x10=20)

1. Name four bacteria causing pneumonia. Discuss in detail the laboratory diagnosis of pneumonia. (sample collection, transport and processing of specimens) (2+8)
2. Enumerate four bacteria causing pyogenic infections. Discuss the sample collection ,transport and processing of pus sample (2+8)

Short notes

(10x5=50)

3. Eltor vibrio.
4. Laboratory diagnosis of tetanus.
5. Bacillary dysentery
6. Bordetella pertusis.
7. Toxins and enzymes of streptococci
8. Laboratory diagnosis of renal tuberculosis.
9. Non typhoidal salmonella
- 10."CAMP" test (Christie,Atkins,Munch- Peterson test).
- 11.Proteus
- 12.Photo chromogens

Answer briefly

(10x3=30)

13. Disc diffusion methods of drug sensitivity testing.
14. Collection and transport of urine from an adult female patient.
15. Processing of ascitic fluid.
16. TPI (Treponemal Pallidum immobilization test)
17. Widal test.
18. Weil's disease
19. Anaerobic streptococci
20. Trachoma
21. Cephalosporins
22. Antibiotic assay in blood