

**Third Year B.Sc MLT Degree Examinations October 2018**

**Bacteriology**

**Time: 3 Hours**

**Total Marks: 100**

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

**Essay**

**(2x10=20)**

1. Enumerate four bacteria causing sexually transmitted diseases. Describe in detail the laboratory diagnosis of syphilis. (2+8)
2. Name four bacteria causing food poisoning. Describe in detail the laboratory diagnosis of food poisoning. (2+8)

**Short notes**

**(10x5=50)**

3. Laboratory diagnosis of leprosy
4. Clostridium tetani
5. Laboratory diagnosis of enteric fever
6. Group B streptococci.
7. Chlamydia.
8. Diphtheria toxin detection methods
9. Laboratory diagnosis of plague
10. Non tuberculous mycobacteria
11. Klebsiella species
12. Disc diffusion methods of antibiotic sensitivity tests.

**Answer briefly**

**(10x3=30)**

13. Burkholderia pseudomallei.
14. Selective media for staphylococci
15. Helicobacter pylori.
16. Haemophilus ducreyi
17. Primary atypical pneumonia
18. Nagler test.
19. Whooping cough
20. Bacteroides fragilis.
21. Pontiac fever.
22. Relapsing fever