

First Year B.Sc MLT Degree Examinations, August 2016
BASIC MICROBIOLOGY & IMMUNOLOGY**(Common for 2010 and 2015 Scheme)****Time: 3 Hours****Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay**(2x10=20)**

1. Describe in detail the structure and function of the cell wall of a gram negative bacilli with the help of a diagram.
2. Define immunity. Describe in detail about the properties and mediators of innate immunity

Short notes**(10x5=50)**

3. Bacterial capsule
4. Different types of autoclave
5. SOURCES OF INFECTION.
6. Coomb's test
7. ACID FAST STAINING.
8. Biomedical waste management
9. Bacterial plasmid
10. Live vaccines vs killed vaccines
11. Super antigens
12. Agglutination reactions

Answer briefly**(10x3=30)**

13. Contributions of Robert Koch in microbiology
14. Sporicidal disinfectants
15. Plasma sterilization
16. In use test
17. COLD STERILIZATION.
18. MHC (major histocompatibility complex) restriction
19. IgA
20. Opportunistic infection
21. Staining of spirochetes
22. Antiseptics
