

First Year B.Sc MLT Degree Supplementary Examinations**February 2019****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. Classify immunity. Describe in detail about the properties and mediators of innate immunity.
2. Draw and label the parts of a bacterial cell. Describe in detail the cell wall of bacteria.

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

3. Type I hypersensitivity reaction
4. Bacterial spore
5. Negative staining
6. Classical complement pathway
7. Types of autoclaves and their applications
8. Sources of infection and the various modes of transmission
9. Biomedical waste management
10. Major histocompatibility complex
11. Contributions of Louis Pasteur
12. Super antigens

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

13. Phenol coefficient
14. Filters and their applications
15. IgA
16. Passive immunity
17. Sterilization indicators
18. Countercurrent immuno-electrophoresis
19. Interferons
20. Protoplasts and spheroplasts
21. Flagellar stains
22. Mechanisms of autoimmunity
