

First Year B.Sc MLT Degree Examinations September 2018

Basic Microbiology and Immunology

(2016 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all questions.
- Draw diagrams wherever necessary.

Essay

(2x10=20)

1. Define disinfection. Classify disinfectants. Describe in detail about low temperature sterilization. (1+3+6)
2. Define hypersensitivity. Classify hypersensitivity. Describe in detail type I hypersensitivity. (1+3+6)

Short notes

(10x5=50)

3. Filters
4. Hot air oven
5. Biosafety cabinets
6. Differential staining
7. Bacterial cell wall
8. B cell
9. Major histocompatibility complex
10. Biological effects complement.
11. ELISA
12. Live vaccines

Answer briefly

(10x3=30)

13. Louis Pasteur
14. Inspissation
15. Detection of motility of Bacteria.
16. In use test
17. Plasma sterilization
18. Fimbriae
19. Immunoglobulin A
20. Super antigen
21. Interferon
22. Natural killer cells
