

First Year B.Sc MLT Degree Examinations, September 2017

Basic Microbiology and Immunology

(2016 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all questions.
- Draw diagrams wherever necessary.

Essay

(2x10=20)

1. Enumerate the physical methods of sterilization. Describe in detail about the dry heat methods of sterilization. (5+5)
2. Enumerate different subsets of lymphocyte. Describe in detail about each. (2+8)

Short notes

(10x5=50)

3. Cold sterilization
4. Sterilization controls
5. B.O.D incubator
6. Flagella
7. Gram staining
8. Auto immunity
9. Neutralization
10. Innate immunity
11. Classical complement pathway
12. Cytokines.

Answer briefly

(10x3=30)

13. Alexander Fleming
14. Pasteurization
15. Chemical sterilization controls
16. Hypochlorites
17. Ethylene oxide
18. Rideal Walker test
19. Metachromatic granules
20. Passive immunity
21. Heterophile antigens
22. Subunit vaccines
