

First B.Sc MLT Degree Supplementary Examinations, April 2014

BASIC MICROBIOLOGY & IMMUNOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Define sterilization. Enumerate the physical methods of sterilization. Describe sterilization by dry heat . (1+4+5=10)
2. Classify immunoglobulins. Explain the structure and properties of immunoglobulin G (3+3+4=10)

Short notes

(10x5=50)

3. Precipitation reactions in the diagnosis of infections.
4. Anaphylaxis
5. Enumerate the chemical disinfectants and their mechanism of action.
6. Bacterial cell wall
7. Determinants of virulence in bacteria
8. Monoclonal antibody
9. Bacterial toxins
10. Louis Pasteur
11. Gram's staining
12. Innate immunity

Answer briefly

(10x3=30)

13. Bacterial capsule
14. Inspissation
15. Filtration
16. Complement
17. Walk in incubator
18. Immuno fluorescence test
19. Nosocomial infection
20. Heterophile antigen
21. Flagellar staining
22. Interferon