

QP CODE: 104012

Reg No:.....

First B.Sc MLT Degree Supplementary Examinations, March 2013

BASIC MICROBIOLOGY & IMMUNOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay (2x10=20)

1. Define sterilization. Classify the various methods for sterilization. Briefly describe the principle, functioning and use of autoclave. (1 + 3 + 6 = 10)
2. Define and classify immunity. Describe briefly the mechanisms involved in Innate immunity (4 + 6 = 10)

Short notes (10x5=50)

3. Contributions of Louis Pasteur
4. Gram's staining
5. Bacterial spore
6. Immunoglobulin A
7. Bio-safety cabinet
8. Filtration
9. Delayed hypersensitivity
10. ELISA
11. Indirect immuno fluorescence
12. HLA class 1 antigens.

Answer briefly (10x3:30)

13. Bacterial cell wall
14. Glutaraldehyde
15. Natural killer cells
16. Albert's staining
17. CD₄ cell
18. Secondary infection
19. L - forms
20. In-use tests
21. T cell dependent antigens
22. Serum sickness
