

QP CODE: 104012

Reg No:.....

First Year B.Sc MLT Degree Supplementary Examinations, April 2016

BASIC MICROBIOLOGY & IMMUNOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Define sterilization and disinfection. Describe the principle and working of an autoclave along with its uses. (3+7 = 10)
2. Describe in detail the principle, types and applications of ELISA. (10)

Short notes

(10x5=50)

3. Walk in incubator
4. Fluorochrome staining
5. Difference between innate and acquired immunity
6. Heterophile antigens
7. Type I hypersensitivity reaction
8. Bacterial flagella
9. Gram's staining
10. Indirect immunofluorescence assay
11. Alternative complement pathway
12. Phenol coefficient testing

Answer briefly

(10x3=30)

13. Contributions of Louis Pasteur in microbiology
14. L forms of bacteria
15. Ionizing radiation
16. Negative staining
17. Plasmid
18. Adjuvants
19. Interferons
20. IgM
21. Glutaraldehyde
22. Volutin granules
