

QP CODE: 104012

Reg No:.....

**First Year B.Sc MLT Degree Supplementary Examinations
September 2017**

BASIC MICROBIOLOGY & IMMUNOLOGY

(Common for 2010 and 2015 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Classify methods of sterilization and disinfection. Describe in detail types and operation of autoclaves (4+6=10)
2. Classify immunity. Describe in detail artificial acquired immunity (4+6=10)

Short notes

(10x5=50)

3. Contributions of Louis Pasteur
4. Methods for testing disinfectants
5. Monoclonal antibody
6. Classical pathway of complement activation
7. Negative staining
8. Mechanisms of autoimmunity
9. Bacterial cell wall
10. Lymphocyte subsets and their functions
11. Type I hypersensitivity
12. Secretory Ig A

Answer briefly

(10x3=30)

13. Bacterial spore
14. Flagella
15. Plasmids
16. Volutin granules
17. Heterophile antigens
18. Nosocomial infection
19. Modes of transmission of infection
20. ELISA
21. Inspissation
22. Incubator
