

QP CODE: 114012

Reg. No:

**First Year B.Sc MLT Degree Regular/Supplementary Examinations
November 2024**

Basic Microbiology and Immunology

(2016 Scheme)

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay

(2x10=20)

1. Describe different sources of infection and modes of transmission of infections. (3+7)
2. Define disinfection. Discuss the different types of chemical agents used for disinfection and their mode of action. (2+4+4)

Short notes

(10x5=50)

3. Pasteurisation
4. Koch's Postulates
5. Bacterial virulence factors
6. Ultraviolet radiation
7. Cell mediated immunity
8. Hot air oven
9. Bacterial Flagella.
10. Monoclonal antibody
11. L-forms
12. Major histocompatibility complex

Answer briefly

(10x3=30)

13. Draw a neat labelled diagram of bacterial cell.
14. Natural killer cells
15. Adjuvants
16. Volutin granules
17. Plasma Sterilization
18. Heterophile Antigens
19. Immunoglobulin A
20. Name three live vaccines
21. Negative staining
22. Plasmid
