QP CODE: 104012 Reg No:.....

First B.Sc MLT Degree Examinations, September 2014

BASIC MICROBIOLOGY & IMMUNOLOGY

Time: 3 Hours Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay (2x10=20)

1. Classify antigen antibody reactions. Describe in detail agglutination reaction with examples. (4+6=10)

2. Define vaccines. Describe the various vaccines used in India (4+6=10)

Short notes (10x5=50)

- 3. Enumerate different types of hypersensitivity reactions with examples
- 4. Decontamination of wastes
- 5. Cell mediated immunity
- 6. Name various methods of moist heat sterilization and its uses
- 7. Bacterial spores
- 8. Gaseous disinfectants
- 9. Predisposing factors responsible for bacterial infection
- 10. Enumerate the cells involved in immune response and describe the lymphocytes.
- 11. Classification of bacteria based on morphology.
- 12. Major histocompatibility complex

Answer briefly (10x3=30)

- 13. Plasmids and describe its properties
- 14. Biological effects of complement
- 15. Radiation used for sterilization
- 16. Characters of ideal antiseptic
- 17. Immunoglobulin E
- 18. Passive immunity
- 19. Flagella
- 20.Classification of microorganisms based on bio hazards
- 21. Antibody
- 22. Carriers
