

**B.Sc. MEDICAL LABORATORY TECHNOLOGY
SECOND YEAR**

PAPER IV – MICROBIOLOGY – I AND PARASITOLOGY, ENTOMOLOGY

Q.P. Code: 725019

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. What are the common causative organisms of urinary tract infection? How will you collect the urine and investigation a case of urinary infection in the laboratory?
2. Explain in detail about Hypersensitivity and describe type IV hypersensitivity.
3. Name the various types of bacterial culture medium and write about the preparation of LJ Medium?

II. Write notes on:

(8 x 5 = 40)

1. Sample Rejection criteria for urine, pus and sputum.
2. Sources and modes of transmission of infection in nosocomial infection.
3. Virulence factors of Bacteria.
4. Immunization Schedule.
5. Autoimmune diseases.
6. ELISA.
7. Transport Medium.
8. Exempt Medium.

III. Short answers on:

(10 x 3 = 30)

1. Write about chemical sterilization.
2. Name the diseases transmitted by ticks.
3. Preparation of monoclonal antibody.
4. Coagulase test.
5. Widal Test.
6. Gram's Staining.
7. Distinguish disinfectant and sterilization.
8. Name the types of Microscope.
9. Direct demonstration of M. tuberculosis in sputum.
10. Name some Spore forming bacteria.