

**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. Write in detail about the life cycle of Plasmodium vivax and its laboratory diagnosis?
2. Define Immunity. Classify immunity write in details about active immunity.
3. Name few of disease that mosquitoes act as a vector. Explain the morphology, Life cycle and pathogenesis and identification of mosquitoes.

**II. Write notes on:** **(8 x 5 = 40)**

1. Scotch tape test.
2. Types of motility of Bacteria.
3. Secretory antibody.
4. Radiation Sterilization.
5. Transport Medium.
6. Hydatid Cyst.
7. Autoclave.
8. Role of Arthropods in the transmission of diseases.

**III. Short answers on:** **(10 x 3 = 30)**

1. Thayer Martin media.
2. Zoonotic disease.
3. Relapsing Fever.
4. Serum sickness.
5. Anaphylaxis.
6. Cyclops.
7. Black water fever.
8. Triple sugar Iron Agar.
9. Albert's stain.
10. Universal biosafety precautions.