

**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. Classify Plasmodium Parasites. Explain in Detail about Life cycle, pathogenesis, Clinical features and Complications of Plasmodium falciparum. Add a note on Lab diagnosis.
2. Classify Sterilisation. Describe in detail about Autoclave. Add a note on types and its clinical application.
3. Classify Antigen and Antibody reaction. Describe in detail about Precipitation and its applications.

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

1. Bacterial cell wall.
2. Robert Koch.
3. Indole.
4. Agglutination.
5. Anti microbial sensitivity.
6. MHC.
7. Flagella.
8. Filarial worms.

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

1. Complication of Hook worm infestation.
2. Brief life cycle of Dracunculus medinensis and lab investigation.
3. Diene's method of Culture.
4. Transport medium.
5. Enrichment medium.
6. Define Autoimmunity and give few examples.
7. Stokes method.
8. Cross infection.
9. IgM.
10. Aedes egypti.
