



MICROBIOLOGY - I

Q.P. CODE: 9672

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary. **Section A and section B are to be written in same Answer Book**

Section A – Clinical Microbiology [50 marks]

LONG ESSAY

1 X 20 = 20 Marks

1. Discuss the life cycle pathogenesis, laboratory diagnosis of Plasmodium falciparum

SHORT ESSAY

5 X 6 = 30 Marks

2. Moist heat sterilization
3. Laboratory diagnosis of enteric fever
4. Cryptococcosis
5. Oncogenic viruses
6. Antibiotic sensitivity test

Section B – Immunology and Molecular Biology [50 marks]

LONG ESSAY

1 X 20 = 20 Marks

7. Define complement. Describe the complement pathways and biological effects of complement mediators

SHORT ESSAY

5 X 6 = 30 Marks

8. Recombinant vaccines
9. DNA finger printing
10. Properties of Antigen
11. Types of mutation
12. Mechanism of innate immunity

* * * * *