

Instructions: (a) Figure to the right indicates total marks of respective questions.

(b) Draw neat, clean and labeled diagram wherever necessary.

1. (a) Define: Immunity. Discuss different types of Immunity. (10)

1. (b) Write in brief on: Epidemiology. (04)

OR

1. (a) Explain the non specific defense mechanism of host. (10)

1. (b) Write a short note on: Gnotobiosis. (04)

2. (a) Describe: Any one of the respiratory tract disease. (10)

2. (b) Write a short note on: Skin infection caused by *Staphylococcus aureus*. (04)

OR

2. (a) Describe: Spread, control and chemotherapy of AIDS. (10)

2. (b) Write on: Symptoms and Prevention of Tetanus. (04)

3. (a) Explain various compounds of blood in detail and their functions. (10)

3. (b) Write on: Selection of blood donor. (04)

OR

3. (a) Explain ABO and Rh blood group system. (10)

3. (b) Write on: Blood banking. (04)

4. (a) Discuss: Modern immunization program followed by India in detail. (10)

4. (b) Write in brief on: Pathogenesis. (04)

OR

4. (a) Describe: Spread, symptoms, diagnosis, prevention & control of Typhoid. (10)

4. (b) Write on: Diagnosis and control of Syphilis. (04)

5. (a) Describe: Collection and preservation of blood including blood components. (10)

5. (b) Write on: Coomb's test. (04)

OR

5. (a) Describe: The normal flora of skin and vaginal tract and give its importance. (10)

5. (b) Write on: Kidney function test. (04)