

[Time: 2:30 Hours]

[Marks:75]

Please check whether you have got the right question paper.

- N.B:
1. All questions are compulsory and carry equal marks.
 2. Figures to the right indicate full marks.
 3. Draw neat labelled diagrams wherever necessary.

Q.1 Explain the following.

- a) Types of Leukemia. (07)

OR

- a) Formation of blood platelets. (07)

- b) Structure and functions of RBCs. (08)

OR

- b) Mechanism of clotting of blood. (08)

Q.2 Describe the following.

- a) Blood transfusion. (07)

OR

- a) Microbiological hematology. (07)

- b) Microscopic examination of blood for malaria. (08)

OR

- b) Carbohydrate Metabolism Tests. (08)

Q.3 Give an account of.

- a) Physical barriers of innate immunity. (07)

OR

- a) Structure and functions of IgG. (07)

- b) Lymph node as a secondary lymphoid organ. (08)

OR

- b) Types of acquired immunity. (08)

Q.4 Describe the following.

- a) Mechanism of agglutination reaction. (07)

OR

- a) ELISA. (07)

- b) Types of graft. (08)

OR

- b) Principles of vaccines. (08)

Q.5 Write notes on:

- a) Clotting time. (04)

OR

- a) Haemorrhage. (04)

- b) Sickle cell anemia and its diagnosis. (04)

OR

- b) Oncological hematology. (04)

- c) T lymphocytes. (04)

OR

- c) Rheumatoid arthritis. (04)

- d) Typhoid vaccines. (03)

OR

- d) Tumor antigens. (03)
