

[Time: 3 Hours]

[Marks: 100]

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 and labelled diagrams wherever necessary.

4. Answer the questions in proper order.

- Q. 1 Describe Any Two of the following:** (20)
- Organic and inorganic constituents of plasma proteins
  - Factors and mechanism of coagulation
  - Hemoglobin structure and formation
- Q. 2 Give an account of Any Two of the following:** (20)
- Carbohydrate metabolism tests
  - Lymphoma and its diagnosis
  - Test for TSH and its clinical significance
- Q. 3 Give an account on Any Two of the following:** (20)
- First line defense mechanism of innate immunity
  - Processing and presentation of exogenous antigens
  - Thymus as a primary lymphoid organ
- Q. 4 Describe Any Two of the following:** (20)
- Mechanism and characteristics of precipitation reaction
  - Adjuvants used in vaccines
  - Types of grafts
- Q. 5 Write short notes on: (Any Four)** (20)
- ESR
  - Forensic haematology
  - IgA
  - Indirect agglutination test
  - BUN
  - T-Lymphocytes
- .....