



[Time: 3 Hours]

[Max. Marks: 100]

HAEMATOLOGY AND BLOOD TRANSFUSION - I

Q.P. CODE : 9673

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 - Haematology and Clinical Pathology [50 Marks]

LONG ESSAY

1 X 20 = 20 Marks

1. Define anaemia. Discuss etiology, clinical features and laboratory investigations in a case of megaloblastic anaemia

SHORT ESSAY

5 X 6 = 30 Marks

2. Investigations in a case of multiple myeloma
3. Peripheral smear and investigations in a case of chronic lymphocytic leukemia
4. Semen analysis
5. Discuss organization and quality control in the laboratory
6. Antiphospholipid antibody syndrome

Section B - Immunology and Medical Genetics [50 Marks]

LONG ESSAY

1 X 20 = 20 Marks

7. Describe the mechanism of immune complex disease name 4 conditions in which immune complexes play an important role in pathogenesis

SHORT ESSAY

5 X 6 = 30 Marks

8. Down's syndrome
9. Histocompatibility testing
10. Enumerate storage disorder and briefly describe one of them
11. Name 4 tumor markers briefly write on one of them
12. Erythroblastosis foetalis

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