



HAEMATOLOGY AND BLOOD TRANSFUSION – I

(Revised Scheme – 2)

Q.P. CODE: 9813

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

2 X 10 = 20 Marks

1. Classify acute leukemias. Write in detail on the lab diagnosis of acute myeloblastic leukemias including a note on role of cytochemistry.
2. Enlist the causes of thrombocytopenia. Discuss the lab diagnosis of idiopathic thrombocytopenic purpura.

SHORT ESSAY

5 X 6 = 30 Marks

3. Lab diagnosis of iron deficiency anemia
4. What is Pancytopenia? List five causes of Pancytopenia.
5. Sickling test and its diagnostic utility
6. Explain the principle of Romanowsky stains. Give examples. Write the procedure of any one of them.
7. Dipstick method of urine analysis

Section B – Immunopathology and Medical Genetics [50 marks]

LONG ESSAY

2 X 10 = 20 Marks

8. What is a granuloma? Write in detail the etiology and pathogenesis of tuberculosis.
9. Discuss the Mendelian laws of inheritance with examples.

SHORT ESSAY

5 X 6 = 30 Marks

10. Explain X linked inheritance with an example.
11. Laboratory diagnosis of various Meningitis and indications for Lumbar Puncture
12. Write short note on direct Coomb's test and its utility.
13. Discuss structural chromosome abnormalities.
14. Describe GTG banding technique.

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