

**Time: Three Hours****Max. Marks: 100 Marks****Pathology-Paper -I  
(RS2 & RS3 SCHEME)****QP Code: 1081**

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

**LONG ESSAYS****2 x 10 = 20 Marks**

1. Define and classify leukemias. Discuss the clinical manifestations and Laboratory diagnosis of chronic lymphocytic leukemia.
2. Enumerate the features and causes of acute inflammation. Describe in detail the cellular events in acute inflammation.

**SHORT ESSAYS****10 x 5 = 50 Marks**

3. Granulomatous inflammation.
4. Causes of hemolytic anemia
5. Paraneoplastic syndromes
6. Down's syndrome
7. Pathogenesis of septic shock
8. Differences between benign and malignant tumour
9. Bone marrow findings in megaloblastic anemia
10. Amyloidosis
11. Enumerate the components of Virchow's triad. What are the fates of thrombus?
12. Haemochromatosis

**SHORT ANSWERS****10 x 3 = 30 Marks**

13. CSF findings in tubercular meningitis.
14. Name the chemical tests done in serum and urine examination to diagnose diabetic ketoacidosis.
15. Indications for bone marrow aspiration
16. Name transfusion transmitted diseases
17. Principle of direct and indirect Coomb's test. Mention the conditions where these will be positive.
18. Principle and advantages of Hemoglobin estimation by Cyanmethemoglobin method.
19. Name two stains used in cytology and their applications.
20. Name tests to diagnose hemolysis
21. Semen analysis & findings in a normal semen
22. Anticoagulants used in hematology.

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