

D.M. – CLINICAL HAEMATOLOGY
Paper II – LABORATORY HAEMATOLOGY

Q.P.Code: 161402

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe in detail the laboratory evaluation of a patient with suspected platelet function disorder.
2. A 50 year old man presents with weakness and back pain. He has anemia with high globulins and hypercalcemia. Describe in detail the laboratory evaluation of this patient.

II. Write notes on:

(10 x 7 = 70)

1. Diagnosis of hereditary spherocytosis.
2. Diagnosis of Fanconi anemia.
3. Assessment of reticulocyte counts.
4. Principle of clotting factor assay.
5. Current classification of the myelodysplastic syndromes.
6. Reverse transcriptase (RT) PCR.
7. Prognostic markers in chronic lymphocytic leukemia.
8. Mechanisms of drug resistance in leukemias.
9. Monitoring of hydroxyurea therapy in sickle cell disease.
10. Evaluation of red cell alloimmunization.
