

**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. Discuss laboratory evaluation of young lady with hemolytic anemia.
2. Describe the laboratory tests used in evaluation of a patient with a suspected inherited immunodeficiency disorder.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Diagnosis of hereditary spherocytosis.
2. Methemoglobinemia.
3. Diagnosis of early T cell precursor ALL.
4. Evaluation of hyper-eosinophilic syndrome.
5. Isoforms of BCR-ABL and its relevance.
6. Hypodiploidy in acute lymphoblastic leukemia.
7. ASXL 1 mutation.
8. Next generation sequencing.
9. Role of immune-histochemistry in diagnosis of Diffuse large B cell lymphoma.
10. Molecular risk factors in diagnosis of myeloma and its relevance.

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