

**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 evolution of laboratory tests for HLA typing and discuss its relevance in allogeneic stem cell transplantation.
2. Describe the tests used for evaluation of megaloblastic anemia and discuss the advantages and disadvantages of each of them.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Sideroblasts.
2. Immature platelet fraction.
3. HbH diagnosis.
4. Diagnosis of CMV re-activation and disease.
5. Evaluation for inhibitors in patients with hemophilia.
6. Diagnosis of Glanzmans thrombasthenia.
7. Genetics of severe combined immune-deficiency
8. Diagnosis of chronic granulomatous disease
9. Antenatal diagnosis and thalassemia
10. Mixed field reaction on Blood Group typing

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