

**D.M. – CLINICAL HAEMATOLOGY**

**Paper IV – RECENT ADVANCES IN HAEMATOLOGY**

*Q.P.Code: 161404*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss risk stratification and current management of a patient with essential thrombocythemia.
2. Discuss the diagnosis, prognostication, current management strategies and new therapeutic approaches in chronic lymphocytic leukemia.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Pegylated L-asparaginase.
2. Gene expression profiling.
3. Nelarabine.
4. Calreticulin mutation.
5. Dabigatran Etxilate.
6. Cubam complex.
7. HDAC Inhibitors
8. Mechanism of JAK2V617F mutation mediated constitutive activation of JAK
9. Relevance of BRAF mutations in Haematology
10. Current status of gene therapy for haemophilia

\*\*\*\*\*