

**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 the normal physiology of NK cell function and the potential role of NK cell therapy in acute leukemia.
2. List out Tyrosine kinase inhibitors and discuss their role in hematological malignancies.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Heat shock proteins.
2. Clofarabine.
3. Thrombopoietin receptor agonists.
4. Erythroferrone.
5. Epratuzumab.
6. Combination chelation therapy.
7. Cytokine receptor structure.
8. Marivabir.
9. Mechanism of CMV resistance to gancyclovir.
10. Next generation JAK2 inhibitors.

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