

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. Describe the principles of gene therapy and some of the recent advances in management of hematological diseases with such therapy.
2. Molecular monitoring of therapy with tyrosine kinase inhibitors in CML and its implications.

II. Write notes on:

(10 x 7 = 70)

1. Adoptive T Cell therapy for treatment of infections in hematology.
2. Genome editing approaches to treatment of hematological disorders.
3. Proteasome inhibitors.
4. Diagnosis and treatment of Mastocytosis.
5. Diagnosis of venous thromboembolism.
6. Graft versus leukemia effect.
7. Immunological therapy for multiple myeloma.
8. Clonal hematopoiesis of indeterminate potential (CHIP).
9. Advances in the treatment of myelofibrosis.
10. Monoclonal antibodies for treatment of CLL.
