

(LD 064)

AUGUST 2013

Sub. Code:1401

**D.M. – CLINICAL HAEMATOLOGY**  
**Paper – I STRUCTURE AND FUNCTION OF THE HEMOPOIETIC**  
**SYSTEM MOLECULAR BIOLOGY AND GENETIC ASPECTS OF**  
**HAEMOPOIESIS**  
*Q.P.Code: 161401*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. What is angiogenesis? Briefly explain its role in haematological diseases and drugs used to inhibit angiogenesis.
2. Classify immunosuppressive drugs and briefly explain their mechanism of action with special reference to Graft Versus Host Disease.

**II. Write notes on:**

**(10X7=70)**

1. Prion diseases.
2. Gene therapy.
3. JAK inhibitors.
4. Carfilzomib.
5. Comparative genome hybridization (CGH).
6. Complement system.
7. Gap PCR.
8. FLT3 inhibitors.
9. Confirmation sensitive gel electrophoresis (CSGE).
10. Role of multimer analysis in von Willebrand disease.

\*\*\*\*\*