

**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 mechanisms of action of nonfactor pharmacological agents in coagulation disorders. Enumerate their role in treatment of these disorders including monitoring and potential complications.
2. Discuss adoptive immunotherapy and its role in haematology.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Multidrug resistant bacterial infections.
2. Newer agents to treat acute GVHD .
3. Echinocandins.
4. Ruxolitinib in haematological disorders.
5. Coagulation factor concentrates: past, present and future.
6. HLA mismatched stem cell transplantation.
7. Biomarkers of acute GVHD.
8. Regimen related toxicity (RRT) in patients undergoing allogeneic stem cell transplantation.
9. Immune checkpoint inhibitors.
10. Reversal of new oral anticoagulants.

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