Write short notes on:

1. a) Transfusion transmitted infections in thalassemics.  
b) Cord blood banking.

2. a) Immunomodulatory therapy in associated lymphoproliferative disorders.  
b) Red cell membrane defects.

3. a) Interplay between haemostatic pathway and cancer biology.  
b) Gene expression profiling in lymphomas.

4. a) Diagnosis of autoimmune haemolytic anaemia.  
b) pANCA.

5. a) Platelet disorders and their investigation.  
b) Role of flow cytometry in leukemia diagnosis.

b) Recurrent chromosomal changes in AML.

7. a) Lab diagnosis of hemolytic uremic syndrome (HUS).  
b) Pathogenesis of multiple myeloma.

8. a) Parvo virus infection and its haematological changes.  
b) Blood components and their preparation in blood bank.

9. a) Prostaglandins and their role in thrombus formation.  
b) Name various red cell indices measured by automated hematology analysers and their role in evaluation of anemia.

10. a) Agranulocytosis.  
b) Fibrin degradation products.

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