

PG Degree Examinations in Transfusion Medicine (MD) - May 2013

**Paper I - Applied Aspects of Basic Sciences in Relation to Transfusion
Medicine**

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(20)

1. Explain in detail about the structure, function and metabolism of platelets. Add a note on platelet preservatives.

Short essays:

(10x8=80)

2. Types of lymphocytes and its function.
3. Red cell glucose metabolism and the importance of G6PD enzyme.
4. Pathophysiology and laboratory features of intravascular and extravascular haemolysis.
5. Mendelian law of inheritance
6. Pathophysiology of disseminated intravascular coagulation.
7. Discuss the complement system and its applied importance in transfusion medicine.
8. Secretor status and its application.
9. High titre low avidity antibody .
