

QP Code:101108

Reg.No.:.....

PG Degree Examinations in Transfusion Medicine (MD) - June 2016

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. Describe haemoglobin structure, synthesis, functions and aberrations and degradation.
Add a note on iron and bilirubin metabolism

Short essays:

(8x10=80)

2. Describe briefly history of transfusion medicine
3. Major histocompatibility complex(MHC)
4. Structure of RBC membrane
5. Draw diagram illustrating the activation of complement by various pathways.
6. Biochemical properties and characteristics of the major surface antigens of the formed elements of blood.
7. Factors affecting red cell agglutination.
8. Enhancement of antigen-antibody reactions.
9. Cellular model of coagulation
