

QP Code: 101108

Reg. No.:.....

**PG Degree Supplementary Examinations in Transfusion Medicine (MD) -
November 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 in detail circulatory hemodynamics

Short essays: (8x10=80)

2. Mutations
3. Kinetics of the leukocyte response
4. Mechanism of coagulation and fibrinolysis
5. Formation of A, B, & H red blood cell antigens
6. Chimerism
7. Rhesus antigen structure and function
8. Hematopoetic growth factors
9. Mandatory screening tests in the blood bank for infectious diseases
