

QP Code: 101108

Reg. No.:.....

**PG Degree Supplementary Examinations in Transfusion Medicine (MD)
October 2019**

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*

Essay:

(20)

1. Describe various types of lymphocytes and their function in immune response.

Short essays:

(8x10=80)

2. Pathophysiology of hypovolemic shock.
3. IgG (Immunoglobulin G) and its application on blood bank
4. Complement system
5. Factors affecting antigen antibody reaction
6. Discuss the role of haemoglobin in oxygen transport.
7. G6PD deficiency
8. Clotting cascade (intrinsic, extrinsic & final common pathway).
9. Mendelian laws of inheritance
