

QP Code: 101108

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Transfusion
Medicine (MD) June 2020**

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

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Describe structure and function of various types of immunoglobulins. Add a note on factors affecting antigen antibody reaction.

Short essays:

(8x10=80)

2. Composition of anticoagulants and additive solutions used for preservation of blood in blood bags.
3. Management of needle stick injury in blood bank.
4. Fibrinolytic pathway
5. Oxygen dissociation curve
6. Role of major histocompatibility complex (MHC) system in transfusion medicine.
7. Haemoglobin degradation
8. Role of cytokines in transfusion medicine.
9. Monoclonal antisera.
