

QP Code: 101108

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Transfusion
Medicine (MD) July 2023**

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 basic structure of immunoglobulin molecule. Write a note on characteristics of various classes of antibodies.

Short essays:

(8x10=80)

2. Discuss in brief, structure and function of haemoglobin
3. Discuss the cell-based model of coagulation.
4. Briefly describe megakaryopoiesis
5. Discuss the role of hepcidin in iron metabolism
6. Briefly describe processes involving complement system in Transfusion Medicine
7. Genetics of Rh blood group system
8. Describe storage lesions and its clinical consequences
9. Discuss HLA system and its role in Transfusion related acute lung injury
