

QP Code: 101108

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Immuno
Haematology and Blood Transfusion Medicine (MD) November 2025**

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. What is Hemolysis. Write in detail Clinical presentations and Laboratory findings seen in Extravascular and Intravascular Hemolysis

Short essays:

(8x10=80)

2. Discuss in detail structure, function of hemoglobin. Give examples of hemoglobin variants
3. Enlist the various types of ELISA methods. Add a note on their principles and applications.
4. Role of platelets in hemostasis
5. Explain normal erythropoiesis and its regulation with relevant diagrams
6. Discuss the pathogenesis and management of iron overload in patients requiring multiple transfusions
7. What is a hybridoma. Add a note on its applications in immunohemotological testing
8. Discuss Mendelian laws of Inheritance with examples
9. Explain fibrinolysis and its regulation. Add a note on clinical presentation and lab findings in disseminated intravascular coagulation
