

QP Code:102108

Reg. No.:.....

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

**Paper II - Immunohaematology, Immunogenetics and Applied Serology**

**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. Classify immune transfusion reactions. Discuss in detail, work up done for a case of suspected acute immune transfusion reaction.

**Short essays:**

**(8x10=80)**

2. What is Weak D. Discuss its clinical significance and laboratory diagnosis.
3. Pathogenesis and lab diagnosis of cold agglutinin disease.
4. List the Sub groups of 'B' blood group, add a note on their methods of detection.
5. Pathogenesis, diagnosis and management of platelet refractoriness.
6. Discuss the types of drug induced hemolytic anemias with examples.
7. What is electronic cross match. Add a note on its methodology, advantages and disadvantages.
8. Quality control tests for ABO and Rh antisera.
9. Indications and methodology of red cell antibody detection. Add a note on Reagent cell panel preparation.

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