

**QP Code:102108**

**Reg.No.:.....**

**PG Degree Examinations in Transfusion Medicine (MD) April 2018**

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

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essay:**

**(20)**

1. Describe serological complications in multi transfused patients and discuss strategies for their prevention.

**Short essays:**

**(8x10=80)**

2. Give an account of the criteria for selection and purchase of screening & identification panel red cells and anti-human globulin reagents used for pre transfusion testing
3. Define transfusion probability (TP), transfusion index (TI) and cross-match to transfusion ratio (CTR) and discuss their significance in transfusion medicine.
4. Role of blood groups in paternity testing
5. McLeod phenotype
6. Molecular basis of partial D
7. Transfusion support in a patient with warm autoimmune haemolytic anaemia
8. ABO blood groups and disease association
9. Describe key elements of pre transfusion testing and discuss feasibility of electronic cross match in India

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