

QP Code:102108

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Transfusion Medicine
(MD) May 2021**

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. Describe biosynthesis of ABO blood group system and develop a protocol for resolution of ABO blood group discrepancies.

Short essays:

(8x10=80)

2. High titre low avidity antibody
3. Outline the indications for exchange transfusion. Discuss the principles and procedures for exchange transfusion in a two-day old baby.
4. HLA and disease association
5. Passenger lymphocyte syndrome
6. Quantification of feto-maternal haemorrhage
7. Elements of quality system in immunohematology laboratory
8. Molecular mechanisms for Rh D negative phenotype
9. Pathogenesis and diagnosis of drug induced immune haemolytic anaemia
