

QP Code:102108

Reg. No.:.....

**PG Degree Supplementary Examinations in Transfusion Medicine (MD)
November 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 phenotypic and genetic characteristics of Rh blood group system. Discuss their role in clinical transfusion practice

Short essays:

(8x10=80)

2. Discuss role of potentiators and neutralizing substances in red cell serology
3. Discuss transfusion management of a patient with beta thalassaemia major.
4. Write a short note on Kidd blood group system
5. Resolution of ABO discrepancies
6. Discuss pathophysiology of drug induced haemolytic anaemia
7. Write a short note on neonatal alloimmune thrombocytopenia
8. Briefly describe advantages of leucoreduction and methods for estimating residual leucocyte count in blood components
9. Discuss application of molecular techniques in Immunohematology
