

**QP Code:103110**

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

**PG Degree Supplementary Examinations in Pathology (MD)  
November 2022**

**Paper III - Haematology, Transfusion Medicine and Laboratory 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. Classify Thalassemia and discuss the molecular genetics, clinical features and laboratory diagnosis of  $\beta$ -thalassemia.

**Short Essays: (8x10=80)**

2. Leukemoid reactions
3. Polycythaemia vera
4. Laboratory diagnosis of megaloblastic anaemia
5. Platelet function tests
6. Haemolytic transfusion reaction
7. Hematopoietic stem cell transplantation
8. Quality assurance in blood banking
9. Automation in Urine analysis

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