

**QP Code: 201384**

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

**Second Year M.Sc. MLT Degree Supplementary Examinations March 2025  
(Pathology)**

**Paper V - Blood Banking & Immunopathology**

**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 diagrams wherever necessary*

**Essays:**

**(10x10=100)**

1. Discuss innate and acquired immunity.
2. Define apheresis, explain the different methods, component preparation and its clinical applications
3. Explain the principles, procedures and clinical applications of Antihuman Globulin (AHG) Test.
4. Explain the pathophysiology, diagnosis and management of Hemolytic Disease of the Fetus and Newborn
5. Describe the transfusion transmitted diseases and their screening tests
6. Quality assurance in a blood centre.
7. Type IV hypersensitivity reaction with examples
8. Discuss in detail non-infectious blood transfusion reactions, their investigation and management.
9. Compatibility testing in Autoimmune hemolytic anemia.
10. Pathogenesis and laboratory diagnosis of Systemic Lupus Erythematosus

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