

QP Code: 201384

Reg. No.....

**Second Year M.Sc. MLT Degree Supplementary Examinations March 2024
(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 the indications and techniques of Coombs test. Add a note on factors influencing the test
2. Describe the preparation and storage of various blood components. Mention their indications
3. Explain the basic principles of immunohematology
4. Tests used in Systemic Lupus Erythematosus
5. Discuss Rh blood group system and techniques of detection
6. Histocompatibility testing in organ transplantation
7. Transfusion reactions and their investigations
8. Mention examples of Type II hypersensitivity reaction and discuss the mechanism
9. Discuss recombinant DNA technology and mention its applications
10. Blood collection and processing in blood bank
