

QP Code: 201384

Reg. No.....

**Second Year M.Sc. MLT Degree Regular/Supplementary Examinations
July 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. Secretors and Non secretors
2. Exchange transfusion
3. Describe the relevance of the Bombay group of blood, the Du variant and the Dangerous O group
4. Name the anti coagulants used in blood bank. How will you ensure the quality of the bags
5. Enumerate the genes that help HIV virus infect our blood, and mention the roles of each of these genes
6. Describe the structure and function of MHC molecules with the help of a diagram.
Mention Five diseases associated with HLA
7. What are the prerequisites needed for the separation and storage of blood components.
8. Transfusion reactions
9. External and internal quality control in Blood Bank
10. What are the criteria to be satisfied to label a condition, autoimmune. Write down five findings characteristic of Systemic Lupus Erythematosus
