

QP Code: 202384

Reg. No.....

**Second Year M.Sc. MLT Degree Regular/Supplementary Examinations
July 2025**

(Pathology)

Paper VI - Laboratory Organization, QC and Recent Advances in Pathology

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 organization of cytology laboratory including personnel, building and safety requirements.
2. Audit in pathology
3. Discuss the importance of Clinical Laboratory Informatics and add a note on Digital Pathology.
4. Recent advances in molecular classification of Acute leukaemia
5. Quality control in the haematology laboratory
6. Automated urine analysers
7. Discuss the role of microwave in histopathology
8. What is Tissue Microarray. Describe the steps in the preparation of a tissue microarray and its applications.
9. Biomedical waste management
10. Discuss the role of immunocytochemistry in cytology samples
