

**QP Code: 202384**

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

**Second Year M.Sc. MLT Degree Regular/Supplementary Examinations  
September 2024**

**(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. Audit in pathology
2. Automation in urine analysis
3. Liquid based cytology
4. Principle and applications of polymerase chain reaction in pathology
5. Quality control in immunohistochemistry
6. Discuss automated microtome with its advantages and disadvantages
7. Discuss the role of microwave in histopathology
8. Instrumentation in coagulation – Recent advances
9. Discuss the new reportable parameters in modern hematology analyzers
10. Gel technology in immunohematology

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