

**QP Code: 202384**

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

**Second Year M.Sc. MLT Degree Supplementary Examinations March 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. Preparation of safety manual for histopathology lab
2. New parameters in automated cell counters
3. Liquid based preparation of cervical cytology
4. Principle, working and application of flow cytometry
5. Discuss the maintenance of laboratory equipments
6. Automation in tissue processing
7. Tissue embedding system
8. New generation equipments in blood bank
9. Tissue microarray
10. External Quality Assurance Systems in clinical pathology

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