

**QP Code: 104384**

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

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations  
August 2024**

**(Pathology)**

**Paper IV - Cytology**

**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 table/diagrams/flow charts wherever necessary*

**Essays:**

**(10x10=100)**

1. Automation in cytology.
2. Cervical cytology in infections.
3. Quality control of stains and reagents used in cytology.
4. Urine cytology.
5. What is exfoliative cytology. Discuss in detail about cytological fixatives.
6. Cell block preparation and its applications.
7. Describe in detail the composition, preparation and staining procedure of May Grunwald Giemsa staining.
8. Explain the requirements for the setting up of laboratory for FNAC.
9. Discuss the various types of cytology samples obtained from the respiratory tract.
10. Describe light microscopic features of a normal cell. Add a note on the salient features of a malignant cell.

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