

QP Code: 202384

Reg. No.....

**Second Year M.Sc. MLT Degree Examinations November 2018
(Pathology)**

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

Time: 3 hrs.

Max. marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(10x10=100)

1. Uses of microwave oven in the histopathology laboratory
2. Discuss the principles involved in immunofluorescence studies
3. External quality assurance systems (EQUAS) in a cytology laboratory.
4. Laboratory diagnosis of acute leukemias - recent advances
5. Types of automatic tissue processors - advantages and disadvantages
6. Preventive maintenance of laboratory equipments
7. Tissue microarray – discuss the applications of tissue microarray
8. Enumerate the different steps in immunohistochemistry (IHC) staining. Discuss the error prone areas in the procedure.
9. Use of flow cytometry in lymphomas
10. Preparation of a quality manual for the histopathology laboratory
