

QP Code: 202384

Reg. No.....

**Second Year M.Sc. MLT Degree Regular/Supplementary Examinations
February 2022**

(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. Uses of Immunofluorescence studies in Pathology.
2. Discuss the Post analytic errors in Laboratory reports. How can they be reduced/avoided.
3. Discuss the advantages of Laboratory accreditation. Are there any disadvantages.
4. Describe the principles involved in automated ESR analyzers. Discuss its advantages and disadvantages.
5. Enumerate the equipments required for setting up a Histopathology lab in a small hospital sending 10 specimens a day with one histopatologist.
6. Enumerate the new generation equipments used in a Blood Bank and their uses.
7. Microarray applications in Histopathology.
8. Automated slide stainers in Histopathology. Discuss advantages and disadvantages.
9. Discuss the new reportable parameters in modern Haematology analyzers
10. External Quality Assurance Systems (EQUAS) in Cytology.
