

QP Code: 103384

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations
October 2023
(Pathology)**

Paper III - Clinical Pathology & Cytogenetics

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. Enumerate steps of polymerase chain reaction and its diagnostic applications.
2. Cytogenetic changes in Acute leukemia.
3. Urine sediment examination.
4. Chromosomal banding techniques.
5. Methods of detecting HCG levels
6. Genetics of prenatal diagnosis of diseases.
7. Write about general features of autosomal recessive disorders and their biochemical and molecular basis.
8. Recombinant DNA technology
9. Techniques and interpretation of tests for sex chromatin.
10. Describe about different staining methods and preparation of stool examination.
