

QP Code: 103384

Reg. No.....

First Year M.Sc. MLT Degree Regular/Supplementary Examinations

August 2024

(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. Describe in detail about the urinary sediments.
2. Discuss Human chorionic gonadotropin assays and its clinical application.
3. Describe in detail the clinical features and genetics of Downs syndrome.
4. Discuss the procedure for collection of samples for CSF analysis. Add a note on the special tests done in CSF analysis.
5. Explain chromosome identification by image analysis.
6. Discuss concentration techniques in stool analysis.
7. What is Bence Jones proteins and what is its significance. Elaborate on test for detection of Bence Jones proteins in urine.
8. Sputum analysis.
9. Elaborate on methods of detection of Barr body. What is its clinical significance.
10. Discuss the direct chromosome preparation of bone marrow cell.
