

QP Code: 103384

Reg. No.....

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations  
July 2025**

**(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. Analysis of synovial fluid in a case of arthritis
2. Describe pregnancy tests and their principle
3. Describe the basic technique of karyotyping
4. Test for stool occult blood
5. Methods of collection and preservation of urine
6. Describe about sex chromatin bodies. Add a note on Lyon hypothesis
7. Tests for ketone bodies in urine
8. Describe the features and genetics of Down syndrome
9. Enumerate the difference between transudate and exudates
10. Technique used for concentration of stool specimen

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