

QP Code: 103384

Reg. No.....

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

**August 2022**

**(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. Discuss synovial fluid analysis.
2. Discuss automation in urine analysis.
3. Describe lab evaluation of ascitic fluid.
4. Describe methods of concentration of sputum.
5. Discuss methods of estimation of HCG and it's clinical applications.
6. Discuss Computer Aided Semen Analysis.
7. Describe the features and genetics of Down Syndrome.
8. Describe culture of leucocytes from peripheral blood for the study of chromosomes.
9. Describe urinary casts and their significance.
10. Discuss chromosome analysis by image processing

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