

**QP Code: 103384**

**Reg. No.....**

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations  
December 2019  
(Pathology)**

**Paper III - Clinical Pathology & Cytogenetics**

**Time: 3 hrs.**

**Max. marks: 100**

- **Answer all questions**
- **Draw diagrams wherever necessary**

**Essays:**

**(10x10=100)**

1. Discuss the role of karyotyping in diagnosis
2. Discuss the features and genetics of Klinefelter's syndrome
3. Describe the chromosome identification by quantitative cytochemistry
4. Describe the techniques for Barr body demonstration
5. Discuss the peripheral blood leukocyte culture techniques
6. Discuss the collection and examination of CSF
7. Describe the immunological tests for pregnancy
8. Describe the microscopic examination of urine
9. Discuss the ascitic fluid examination
10. Describe the chemical examination of stool

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