

**QP Code: 103384**

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

**First Year M.Sc. MLT Degree Supplementary Examinations May 2018  
(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 features and genetics of Klinefelter's syndrome
2. Describe how pedigree construction is done
3. Discuss the morphological identification of chromosomes in karyotyping.
4. Discuss quantitative cytochemistry
5. Describe the various methods of detecting HCG level in urine.
6. Discuss non cellular urinary casts
7. What are the parameters tested in reagent strips in urine. Discuss the principle of each one
8. Describe the tests done in stool for detection of malabsorption
9. Describe the methods of induction of sputum and sample collection of sputum
10. Discuss the pleural fluid analysis

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