

QP Code: 103384

Reg. No.....

**First Year M.Sc. MLT Degree Examinations November 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 Lyon hypothesis
2. What is Q banding. Discuss its principle and steps.
3. Describe the features and genetics of Down's syndrome
4. Describe the principle, steps and uses of tissue culture in cytogenetics
5. What is autoradiography. Discuss its methodology and uses
6. Discuss sperm count in semen examination
7. Discuss the peritoneal fluid analysis
8. What are the concentration procedures in faecal examination
9. Describe the tests to detect haemoglobinuria
10. Describe the bile stained ova in stool
