

QP Code : 201383

Reg . No.....

**Second Year M.Sc. MLT Degree Examinations – November 2015  
(Biochemistry)**

PAPER – V MOLECULAR BIOLOGY & IMMUNOLOGY

**Time : 3 hrs.**

**Max. marks : 100**

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

**Essays:**

**(10x10 = 100)**

1. Describe the process of DNA replication in detail.
2. Immuno electrophoresis – Technique and applications.
3. Discuss the preparation and storage of monoclonal anti sera.
4. Describe post translational modifications.
5. Explain mutations.
6. Explain the applications of restriction endonucleases in molecular techniques.
7. Explain DNA repair mechanisms.
8. Discuss blotting techniques.
9. Explain prenatal diagnosis of genetic disorders.
10. Discuss genetic code.

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