

QP Code : 201383

Reg . No.....

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

PAPER – V MOLECULAR BIOLOGY & IMMUNOLOGY

Time : 3 hrs.

Max. marks : 100

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

Essays:

(10x10 = 100)

1. Explain the initiation of protein biosynthesis in eukaryotes. Add a note on post translational modifications.
2. What are restriction endonucleases with suitable examples. Explain its role in molecular techniques
3. Explain southern blot and northern blot
4. Explain prenatal diagnosis of genetic disorders
5. Describe the methods of assessing analytical sensitivity, specificity in immunology.
6. Describe the types, principle and applications of ELISA.
7. Explain immunofluorescence and immuno-fixation
8. Describe the technique of gene therapy. Add a note on trans genesis.
9. What is the principle of hybridoma technology. Enumerate its uses in clinical medicine.
10. Chemiluminescence immunoassay
