

QP Code : 201383

Reg . No.....

**Second Year M.Sc. MLT Supplementary Degree Examinations – June 2014
(Biochemistry)**

PAPER – V MOLECULAR BIOLOGY & IMMUNOLOGY

Time : 3 hrs.

Max. marks : 100

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

Essays:

(10x10 = 100)

1. Discuss regulation of gene expression.
2. Compare and contrast DNA & RNA
3. Describe the structure of immunoglobulins.
4. Polymerase chain reaction – Technique and applications.
5. Explain gene therapy and DNA fingerprinting
6. Discuss western blot.
7. Describe the process of transcription. Add a note on post transcriptional modifications.
8. Explain the classification and functions of cytokines.
9. Discuss enzyme linked immunosorbent assay (ELISA)
10. Describe polyclonal antibodies.
