

QP Code: 201383

Reg. No.....

**Second Year M.Sc. MLT Degree Regular/Supplementary Examinations
April 2021
(Biochemistry)**

Paper V - Molecular Biology & Immunology

Time: 3 hrs.

Max. marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

Essays:

(10x10=100)

1. Explain somatic recombination.
2. Discuss the determinants of antigenicity
3. Describe the prenatal diagnosis of genetic disorders.
4. Discuss about the major histocompatibility complexes.
5. DNA repair mechanism
6. Explain the restriction fragment length polymorphism. Mention the clinical applications.
7. Explain transcription. Describe the process of transcription in prokaryotes.
8. The basic principles of heredity and explain the X linked recessive inheritance with examples.
9. Mention the various immunoassay techniques and describe enzyme linked immunosorbent assay
10. Define cloning. Describe molecular cloning and add a note on its applications in medicine
