

QP Code:102103

Reg. No.:.....

**PG Degree Supplementary Examinations in Biochemistry (MD)  
November 2021**

**Paper II – Molecular Biology, Immunology & Cancer**

**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 table/diagrams/flow charts wherever necessary*

**Essay: (20)**

1. Explain the various steps involved in eukaryotic DNA replication. Discuss the various DNA repair mechanisms with diagrams.

**Short essays: (8x10=80)**

2. HLA and disease association
3. Tumor suppressor genes
4. Molecular methods of new born screening
5. Chemical carcinogens
6. Gene therapy
7. Translation and Post translational modifications
8. cDNA library
9. Polymerase Chain Reaction

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