

QP Code:102103

Reg.No.:.....

**PG Degree Regular/Supplementary Examinations in Biochemistry
(MD) May 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. What are different types of RNA polymerases. Describe the steps involved in transcription. Add a note on post transcriptional modifications and its inhibitors.

Short essays: (8x10=80)

2. Antibody diversity
3. Blotting techniques
4. Regulation of gene expression
5. What is fidelity of DNA. Explain the DNA repair mechanism and their associated disorders
6. Polymerase chain reaction
7. Stem cell and its application
8. Epigenetics
9. Cell cycle and regulation
