

QP Code:102103

Reg.No.:.....

**PG Degree Supplementary Examinations in Biochemistry (MD)
December 2020**

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. Classify tumour markers with suitable examples. What are the features of an ideal tumour marker

Short essays: (8x10=80)

2. Principles and applications of PCR
3. Stem cell biology and its applications
4. Synthetic nucleotide analogs and its clinical use
5. Transcription in prokaryotes
6. Molecular methods in prenatal diagnosis
7. Gene therapy
8. Structure and functions of immunoglobulin
9. DNA microarray
