

QP Code:102103

Reg.No.:.....

**PG Degree Supplementary Examinations in Biochemistry (MD) -
November 2014**

Paper II – Molecular Biology, Immunology & Cancer

Time: 3 hrs

Max marks:100

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

Essays:

(20)

1. Explain the transcription process with its regulation and post transcriptional modifications.

Short essays:

(8x10=80)

2. Genomic imprinting
3. Genomic DNA library and cDNA library
4. Role of clinical biochemistry lab in infertility management
5. Describe clinical applications of five enzymatic tumour markers
6. Immunoglobulin which serves as first line of defence
7. Classify DNA oncogenic viruses. Describe the mechanism of viral oncogenesis.
8. Applications of recombinant DNA technology
9. What is PCR. Mention three applications of PCR.
