

QP Code:102103

Reg.No.:.....

PG Degree Examinations in Biochemistry (MD) - May 2013

Paper II- Molecular Biology, Immunology & Cancer

Time: 3 hrs

Max marks:100

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

Essays:

(20)

1. Discuss the regulation of gene expression in eukaryotes

Short essays:

(8x10=80)

2. Gene knockout and its applications
3. Briefly describe disorders due to auto immunity
4. Trans membrane proteins and their functions.
5. What are cryoproteins. Explain the various types of cryoproteins and its clinical significance.
6. Types and functions of DNA polymerases
7. Tumour markers in the screening and diagnosis of colorectal cancer.
8. What are DNA probes and how they are useful in recombinant DNA technology.
9. Types and functions of RNA.
