

QP Code:102103

Reg.No.:.....

PG Degree Examinations in Biochemistry (MD) - June 2016

Paper II – Molecular Biology, Immunology & Cancer

Time: 3 hrs

Max marks:100

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

Essays:

(20)

1. Discuss the role of biochemistry in diagnosis of HIV infection. Add a note on PCR in HIV antigen testing.

Short essays:

(8x10=80)

2. Name various blotting techniques and its clinical significance
3. What are immunoglobulins. Name the immunoglobulin which serves as first line of defence.
4. One mechanism of activation of protooncogenes to oncogenes
5. Somatic gene therapy
6. What is ELISA. Mention the principle of ELISA and two applications in clinical diagnosis.
7. Enumerate three post translational modifications of proteins with one example each
8. Abnormal haemoglobin derivatives
9. Primary and secondary immune response
