

**QP Code:102103**

**Reg.No.:.....**

**PG Degree Examinations in Biochemistry (MD) April 2018**

**Paper II – Molecular Biology, Immunology & Cancer**

**Time: 3 hrs**

**Max marks:100**

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

**Essay: (20)**

1. Explain the principles and steps of polymerase chain reaction (PCR). Discuss the diagnostic applications of PCR

**Short essays: (8x10=80)**

2. Tumour suppressor genes
3. Explain the types of immunity
4. Mitochondrial DNA and disorders associated with it
5. Genetic diseases caused by expansion of triple repeats
6. Restriction fragment length polymorphism and its applications
7. Post translational modifications
8. Types of mutations
9. Explain the features of genetic code

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