

QP Code:102103

Reg. No.:.....

**PG Degree Supplementary Examinations in Biochemistry (MD)  
January 2024**

**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. Describe the basic principle, materials and applications of different types of blotting techniques.

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

2. Hypersensitivity reactions
3. Post-translational modifications
4. Apoptosis
5. Major histocompatibility complex
6. Restricted fragment length polymorphism
7. Prenatal diagnosis of chromosomal disorders
8. DNA Microarray
9. Discuss the principle features and relevance of the ENCODE project

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