



**Answer All The Questions**

**10 X 10 = 100 Marks**

1. Explain higher order structure of proteins.
2. Recombinant DNA technology
3. Principle and applications of Donnan-membrane equilibrium
4. Describe the application of radioisotopes in the study of metabolic pathways. How radioactivity is measured?
5. Hybridoma
6. Explain various factors regulating pH of the blood. How pH is determined in the lab?
7. Factors responsible for abnormal electrophoretogram (Except analytic abnormalities)
8. Tandem mass spectro photometry
9. Cholesterol synthesis and its derivatives
10. Real time-PCR

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