



Modern Bio-Analytical Techniques -II

Q.P. CODE: 5150

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAY (Answer any Three)

3 X 10 = 30 Marks

1. Describe the determination of Fluticasone propionate in human plasma by HPLC.
2. Explain the properties of plasma and serum.
3. Explain the principle and procedure involved in the protein precipitation.
4. Describe the bio analytical method.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

5. Explain the principle involved in electrophoresis.
6. Explain the advantages and disadvantages of membrane filtration.
7. Write the mechanism of separation of bio molecules by size exclusion principle in HPLC.
8. Briefly explain about the formatting and texting of SOP.
9. Write a note on record maintenance of bioavailability studies.
10. Describe the columns used in HPLC for the separation of bio molecules.
11. Write a note on ICH guidelines of GCP.
12. What is reverse phase mechanism of solid phase extraction processes.
13. Explain about retention of BA/BE samples.
14. Explain how to audit GCP compliance.

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