



ADVANCED PHARMACEUTICAL ANALYSIS

PAPER IV (RS2 & RS3)

Q.P. CODE: 9294

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAY (Answer any TWO)

2 X 20 = 40 Marks

1. Define and classify the various Thermoanalytical Methods of Analysis.
2. Discuss the methodology involved in Microbiological assay of Vitamin B₁₂ and Calcium pantothenate.
3. Explain the bioassay of (a) Pertusis Vaccine, (b) Diphtheria Antitoxin.

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

4. Discuss the application of Enzyme Immunoassay.
5. Explain briefly the various Analytical Method Validation Parameters.
6. Write the methodology involved in tests for effectiveness of Antimicrobial Preservatives.
7. Explain the bioassay of rabies vaccine.
8. Explain the principle and methodology involved in Pyrogen testing.
9. Explain WHO guidelines for analysis of crude drugs.

SHORT NOTES

2 X 5 = 10 Marks

10. Instrumental methods of analysis
11. Analysis of heavy metals

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