



ADVANCED PHARMACEUTICAL TECHNOLOGY

PAPER I

(Revised Scheme 2)

Q.P. CODE : 9272

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. Discuss the pre-formulation studies required to be, performed for new drug molecule in order to design a desirable pharmaceutical product.
2. Describe the manufacturing and evaluation of hard gelatin capsule dosage forms.
3. What are industrial hazards? How can, the chemical and fire hazards be prevented in pharmaceutical industries?

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

4. Discuss the Good Manufacturing Practice requirements for manufacturing of large volume parenterals.
5. Discuss the optimization parameters for tablet formulation.
6. Discuss the formulation of nail lacquers.
7. Outline the procedure for obtaining pharmaceutical patent in India.
8. Design a finished pharmaceutical product specification.
9. Discuss the formulation of chewable tablets.

SHORT NOTES

2 X 5 = 10 Marks

10. What is compulsory Licensing System?
11. Illustrate the stability testing during pre-formulation study.

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