

Advanced Pharmaceutical Technology

(Revised Scheme 4)

Q.P. CODE: 9368

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. Explain the basic principles of stability testing and shelf life calculations. Mention the different strategies to prolong the shelf life of the products.
2. Explain the concept of optimization and classical optimization.
3. Explain the physicochemical properties of new drugs considered for the development of different dosage forms.

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

4. Write a note on co-processed excipients.
5. Explain the influences of compression forces on the properties of tablets.
6. Write a note on the design and quality control of corrugated and solid fiber boards.
7. Briefly explain the flexible packing materials used in the packing of pharmaceutical products.
8. Explain the different parts of patent and how filing of patents are carried out?
9. Describe the different equipments used in filling of hard gelatin capsule.

SHORT NOTES

2 X 5 = 10 Marks

10. Differentiate between compression and decompression.
11. Write a note on optical microscopy.

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