



ADVANCED INDUSTRIAL PHARMACY

(Revised Scheme 2)

Q.P. CODE: 9302

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 various pre-formulation parameters required to be, studied for developing a desired pharmaceutical product.
2. Discuss the Good Manufacturing Practice requirements for processing injections by aseptic processing method.
3. Discuss the various inventory management techniques used in pharmaceutical industries. Explain the economic order quantity (EOQ) in optimum inventory management.

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

4. Discuss the equipments required for scaling up of tablet dosage forms.
5. Discuss the techniques used in forecasting market demand.
6. Write on importance of ISO 9000 series certification.
7. Write a note on fire prevention and control system for adoption in pharmaceutical industries.
8. What are the various solubilisation techniques used to increase solubility of poorly soluble drugs?
9. Narrate the sequence of events that led the ways for amending the Indian Patent Act to give provision for product patent.

SHORT NOTES

2 X 5 = 10 Marks

10. What are the various materials handling systems used in pharmaceutical industries?
11. Enumerate the labour welfare schemes followed in India.

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