

Preformulation and Production Management

(Revised Scheme 4)

Q.P. CODE: 9337

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary. Answer any ten questions.

LONG ESSAY (Answer any TEN)

10 X 10 = 100 Marks

1. Explain the various parameters considered for physicochemical properties of new solid drug molecule.
2. a) Define and explain the formation of drug – cyclodextrin complexation.
b) Explain simplex method of statistical design of experiment.
3. Explain the formulation of mouth dissolving tablets and chewable tables with suitable example.
4. Explain the stability testing procedure for a new drug substance.
5. Explain EOQ methods of inventory management and modern inventory management system.
6. Discuss validation protocol for HVAC system and validation protocol for water system.
7. Define and explain in detail about selection of vendor development.
8. Discuss the role of GATT and TRIPS.
9. Explain in detail about fire and explosion hazards and its control and preventive measures.
10. Give the objectives of pilot plant scale up technique and explain the scale up technique for suspension.
11. Write about the factors which influence the strength of tablets.
12. Explain about equipment qualification.

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