



Pharmaceutical Manufacturing Technology -II

Q.P. CODE: 5164

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAY (Answer any Three)

3 X 10 = 30 Marks

1. Discuss in detail elements of QbD and its advantages.
2. Explain manufacturing process for tablets.
3. Explain different types of containers and closures used in pharmaceutical industry.
Write the Q.C test for the same.
4. Explain the factors influencing pharmaceutical plant location and plant layout.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

5. Write a note on calculation of standard cost of production in pharmaceutical industry.
6. Write short note on a) Scheduling
b) Dispatching of records
7. Explain the in process quality control test for parenteral products.
8. Write short note on Form Fill Seal Technology.
9. Explain the monitoring of parenterals manufacturing facilities.
10. Write a note on problems encountered in coating technology.
11. Discuss briefly production of pellets.
12. Write short note on a) Drug plastic interactions
b) Biological tests
13. Explain QbD for excipients.
14. Write short note on a) Quality Target Product Profile. (QTPP)
b) Critical Quality Attributes. (CQA)

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