



[Time: 3 Hours]

[Max. Marks: 75]

Advanced Pharmaceutical Technology - II

Q.P. CODE: 5165

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. Explain in details about accelerated stability testing
2. Write in details about Packaging Machinery involved in solid dosage forms.
3. Define QBD and Discuss about elements of QBD.
4. Write in details about Statistical design optimization.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

5. Write about photostability testing of new drug substance.
6. Write note on solid state stability study.
7. Discuss strategies for prolonging shelf life of products.
8. Write the Selection and evaluation of pharmaceutical packaging materials.
9. Discuss Flexible packaging technology in pharmaceutical products.
10. Write note on pharmacopeial specification on packing material analysis.
11. Explain the tools in QbD.
12. Write Application of QbD in Pharmaceuticals Product Manufacturing.
13. Define DOE and add note on optimisation techniques.
14. Write note on optimisation parameters.

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