



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. Explain factors influencing the design of pharmaceutical plant layout for tablets.
2. Explain advanced sterile manufacturing technology.
3. Discuss the in process quality control tests for sterile dosage forms in injectables and ointment.
4. Discuss PAT standards and regulatory requirements.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

5. Explain the evaluation of stability of packaging materials.
6. Write short note on a) Bottle seals
b) Breakable seals
7. Discuss the flow charts for large volume parenterals.
8. Explain the process automation involved in tablet granulation equipments.
9. Explain about the current approach for pharmaceutical product development and limitations associated.
10. Explain IPQC tests for hard gelatin capsules.
11. Explain the principle and procedure involved in marumerisers.
12. Write a note on product package compatibility.
13. Explain analytical QbD.
14. Write short note on a) RLD
b) GAMP

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