



Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY (Answer any TWO)

2 X 20 = 40 Marks

1. Discuss human resource development aspects of pharmaceutical unit
2. Discuss pilot plant scale up technique for compressed tablets
3. Explain the duties and responsibilities of production manager

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

4. Explain various effluent testing methods
5. State the importance of GMP
6. Write a note on labour welfare measures followed in pharmaceutical industry
7. Write briefly on preformulation stability studies
8. How will you handle the disposal of scraps and surpluses
9. Write a note modern inventory management

SHORT NOTES

2 X 5 = 10 Marks

10. TRIPS
11. TQM

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