



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. State the importance of preformulation study
2. Discuss GMP regulations on parenteral preparations
3. State the significance of pilot plant study for oral liquid preparation

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

4. Explain classical optimization technique
5. How sublingual tablets are prepared and evaluated
6. Discuss the preparation and packing of lipsticks
7. How will you monitor industrial effluents
8. Explain evaluation of hard gelatin capsules
9. State the implication of intellectual property rights

SHORT NOTES

2 X 5 = 10 Marks

10. TRIPS
11. Medicated shampoos

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