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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 pilot plant scale up techniques for capsules.
- 2. Explain production planning and control procedures of Pharmaceutical unit.
- 3. Discuss human resource development aspects of Pharmaceutical unit.

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

- Explain methods to improve solubility of drugs. 4.
- 5. Explain salient features of stores management, disposal of scrap and surplus.
- 6. Explain various Effluent testing methods.
- 7. Explain salient features of GMP.
- 8. Distinguish ISO 9000 and 14000 validation.
- 9. Explain GATT, TRIPS and TRIMS legal aspects.

SHORT NOTES 2 X 5 = 10 Markswww.kirsiRanker*

- 10. Pharmaceutical Regulatory Affairs.
- 11. Industrial hazards and safety.

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