

[Time: 3 Hours]

[Max. Marks: 100]

PREFORMULATION AND PRODUCTION MANAGEMENT**(RS 2 & RS 3)****Q.P. CODE: 9282**

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. Describe the concepts of physicochemical characteristics to be considered during pre-formulation studies of Tablets.
2. Explain the significance of pilot plant scale up studies. Discuss the pilot plant studies of Capsules dosage form.
3. Discuss the selection of various Material Handling systems and its maintenance in Pharmaceutical Industry.

SHORT ESSAY (Answer any FIVE)**5 X 10 = 50 Marks**

4. Discuss the factors affecting the strength of Tablets.
5. Write a note on ISO 9000 series
6. What are the various Modern Inventory management systems?
7. Write a note on Optimization parameters and classical Optimization.
8. Discuss preventive measures for accidents caused due to Fire and Mechanical hazards.
9. Write a note on TRIPS and TRIMS

SHORT NOTES**2 X 5 = 10 Marks**

10. EOQ Analysis
11. Personnel Training

* * * * *