

FirstRanker.com 9282_2009_1 Firstranker!s choice Rajiv Gandhiwwnivsenskeyconf Healthw Sciencesom First Year M.Pharm Degree Examination - October 2010

[Time: 3 Hours] [Max. Marks: 100]

PREFORMULATION AND PRODUCTION MANAGEMENT

(Revised Scheme 2)

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

- With the help of a neat sketch explain the layout of the plant for large volume parenteral prepared by terminal sterilization. What different GMP regulations are to be followed in the design of the layout?
- Explain the different techniques for the study of crystal properties and polymorphism with 2. suitable examples
- What different industrial hazards are possible in pharmaceutical industry? 3. preventive measures

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

- Explain the significance of pilot plant scale up studies. What are the parameters that influence these studies?
- 5. Explain the significance of human resource development in the pharmaceutical industry
- Explain the forces involved in the tablet compression
- What is your understanding of validation? Briefly describe the different techniques employed in 7. the pharmaceutical industry
- What different statistical methods are employed in the optimization techniques and briefly
- Explain the physico-chemical characteristics of a new drug molecule relevant to different dosage forms

2 X 5 = 10 Marks SHORT NOTES

- 10. What are the salient features of Trade Related Investment Measures (TRIMS)
- 11. Explain the significance of ISO 9000 series

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