



Rajiv Gandhi University of Health Sciences, Karnataka

First Year M. Pharm Degree Examination – Oct/Nov 2014

Time: Three Hours

Max. Marks: 100 Marks

PREFORMULATION AND PRODUCTION MANAGEMENT

(Revised Scheme 4)

Q.P. CODE: 9337

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

LONG ESSAYS (Answer any Two)

2 x 20 = 40 Marks

1. Explain the physico-chemical properties to be studied as part of pre-formulation for a new drug molecule.
2. Discuss the purchasing cycle and procedures adopted in pharmaceutical industries.
3. What are the various cGMP considerations for manufacture of tablet dosage forms?

SHORT ESSAYS (Answer any FIVE)

5 x 10 = 50 Marks

4. Explain briefly inventory management in pharmaceutical industry with special reference to different modern inventory management systems.
5. Write a note on formulation of medicated lozenges and dispersible tablets.
6. Write a note on Intellectual Property Rights in Pharmaceuticals.
7. How are mechanical and electrical hazards caused in industries? Write a note on monitoring and prevention systems applied to check such hazards.
8. What are the important elements of Quality by design? Write a note on factorial design.
9. What are the basic principles of stability testing of new drug substances as per ICH? What is the importance of oxidative and photostability testing?

SHORT NOTES

2 x 5 = 10 Marks

10. Write the importance of GATT and TRIPS.
11. Write briefly about need for Industrial Pollution control.
