

[Total No. of Questions - 14] [Total No. of Printed Pages - 2]
(2124)

1753

M. Pharmacy 1st Semester Examination
Pharmaceutical Analysis Formulation Technology
MP-111

Time : 3 Hours

Max. Marks : 90

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

SECTION - A

Answer any one question.

1. (a) Define polymorphism. How can it affect the stability of the final formulation?
(b) Discuss various techniques available for studying drug excipient interaction. (15+15=30)
2. (a) How are dry syrups prepared? What are advantages of dry syrups over suspensions?
(b) What are different coating techniques used for tablets? (15+15=30)

SECTION - B

Answer any three questions.

3. What is SOP? How they are prepared?
4. How shelf life of a product is determined?
5. What are various types of propellents which are used for an aerosol product?

[P.T.O.]

6. How are aseptic operations validated?

(3×10=30)

SECTION - C

Answer any six questions.

7. Write a short note on quality control of parenterals?

8. How are inhalations manufactured?

9. Write a short note on high shear mixers?

10. What are various types of tablets available in the market?

11. What are the advantages of metered dose inhalers?

12. What are the parameters used to evaluate capsules?

13. What are the factors which effect the stability of disperse systems?

14. Explain the mechanism of tablet compression. (6×5=30)
