

[Total No. of Questions - 14] [Total No. of Printed Pages - 2]
(2125)

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M. Pharmacy 1st Semester Examination
Pharmaceutical Formation 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.

Note : Answers should be specified to the questions asked. Draw neat labelled diagram wherever necessary. Answer all sections.

SECTION - A (Long answer)

Answer any one question.

1. Describe requirements related to stability testing with emphasizing matrixing/bracketing technique, climate zones, impurities and photostability.
2. Explain in detail coating of tablets. (1×30=30)

SECTION - B (Short answer)

Answer any three questions.

3. Discuss presence of organoleptic agents in formulation and uses of surfactants and diluents.
4. Discuss CGMP for finished pharmaceuticals as per 21CFR Part 211.
5. Classify aerosol systems and describe selection of containers in aerosol formulations.
6. What are stability indicating assays? (3×10=30)

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SECTION - C (Short notes)

Answer any six question.

7. What is validation? What are different types of validation carried out?
8. Discuss moist heat sterilization.
9. Give factors affecting flow properties of a powder. How flow of powder can be improved?
10. Discuss importance of log P and partition coefficient.
11. What is preformulation? How can it be characterized?
12. What is importance of base adsorption and minim per gram factor in capsules?
13. Discuss different types of tablets.
14. Explain air suspension coating. (6×5=30)