

[Total No. of Questions - 18] [Total No. of Printed Pages - 2]
(2125)

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B. Pharmacy 7th Semester Examination
Pharmaceutical Technology-II (NS)
BP-473

Time : 3 Hours

Max. Marks : 70

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 : Attempt any two questions from Section A, any eight questions from Section B. Section C is compulsory.

SECTION - A

1. Enumerate different methods of microencapsulation. Discuss phase separation coacervation method in detail. How microcapsules are evaluated?
2. Describe various types of tablet compression machinery in detail. Add a note on stability kinetics and quality assurance of tablets.
3. Explain formulation, preparation and evaluation of ophthalmic products. What are the requirements for such products?
(2×10=20)

SECTION - B

4. Discuss stability testing and storage of capsules.
5. Explain air suspension technique for the preparation of microcapsules.
6. Write about coating formulation and evaluation of coated tablets.

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7. Discuss prefilling treatment and filling of sterile products.
8. What do you understand by aseptic techniques?
9. Discuss primary wound dressings. .
10. Give the factors affecting choice of containers.
11. Describe laminar flow services and their maintenance.
12. Discuss packing components for pharmaceutical aerosols.
13. Write a note on propellants. (8×5=40)

SECTION - C

14. Give importance of base adsorption factor.
15. Enumerate types of tablets.
16. What is isotonicity adjustment?
17. Give design of aseptic area.
18. What are sources of contamination of sterile area? (5×2=10)