

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 question from section B and five question from section C.

SECTION - A

1. (a) Enumerate the different methods of granulation. Discuss the various techniques employed in manufacturing of granules on large scale. (7)
- (b) Explain Heckel plots. (3)
2. (a) Explain the formulation of parenteral products. (7)
- (b) How the sterility testing of large volume parenterals (LVP) performed? (3)
3. Discuss the materials used for production of hard gelatin capsule shell. Explain different methods and machinery used for filling of hard gelatin capsules. (10)

SECTION - B

4. What is isotonicity? Discuss methods of its adjustment.
5. Write a note on base adsorption and minim per gram factor in soft gelatin capsules.
6. Explain general formulation of pharmaceutical aerosols.

7. Explain air suspension technique in manufacturing of microcapsules.
8. What are the ideal requirements for preparation of ophthalmic products?
9. Explain the evaluation of microcapsules.
10. Enumerate the evaluation of tablet as per I.P. Describe in detail the disintegration test for tablets as per I.P.
11. Discuss the formulation of coating solution.
12. Give the design of aseptic area.
13. Write a note on absorbable and non absorbable sutures. (8×5=40)

SECTION - C

Write very short note on any five of the following.

14. Tamper resistant packaging.
15. Filling and sealing of ampoules.
16. Syrup coating.
17. Spray congealing.
18. Culture homeostasis.
19. Orange peel effect. (5×2=10)