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(2124)

1706

B. Pharmacy 7th Semester Examination

Pharmaceutics-VIII (Pharmaceutical Technology-II) (OS)

HBP-403

Time : 3 Hours

Max. Marks : 80

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 five question in all, selecting one each from section A, B, C & D. Section E is compulsory.

SECTION - A

1. Discuss manufacturing and control of soft gelatin capsules. How stability testing is carried out for them? (12+4=16)
2. Enlist various methods for preparation of microcapsules. Discuss spray drying & congealing and air suspension techniques. How are they evaluated? (2+10+4=16)

SECTION - B

3. Give different types of tablet coating. Discuss in detail the film coating process. (4+12=16)
4. Discuss different types of tablets and granulation properties. How coated tablets are evaluated? (10+6=16)

SECTION - C

5. Discuss pre-filling treatment, washing, filling and closing of ampules. How parenteral products are evaluated? (12+4=16)
6. Write an exhaustive note on surgical dressings. (16)

[P.T.O.]

SECTION - D

7. Discuss packaging equipment for solid orals. Give factors effecting choice of container and official requirements for packaging. (10+6=16)
8. Discuss parenteral controlled release systems in detail. (16)

SECTION - E

9. Attempt any four of the following:
- (i) Types and applications of microcapsules.
 - (ii) Stability kinetics of tablets.
 - (iii) Composition of capsule shell.
 - (iv) Water for injection.
 - (v) Sources of contamination of sterile area and its prevention.
 - (vi) Stability aspects of packaging. (4×4=16)
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