

B.Pharm III Year I Semester (R15) Regular Examinations November 2017

PHARMACEUTICAL TECHNOLOGY – II

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Enlist tablet coating defects.
 - (b) Enlist tests for evaluation of tablets.
 - (c) Classify capsules based on its size and capacity.
 - (d) Explain manual capsule filling process.
 - (e) Enlist evaluation test parameters for microencapsules.
 - (f) Give application of microencapsulation process in pharmacy.
 - (g) Explain methods used for adjustment of isotonicity in parenterals.
 - (h) Enlist types of containers and closures used in parenterals.
 - (i) Enlist factors influencing choice of containers.
 - (j) Explain significance of packaging materials in pharmaceuticals.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Explain tablet compression cycle with equipments used for compression. Give evaluation tests for tablets.

OR

- 3 Enlist types of tablet coatings. Elaborate on various equipments used for tablet coating. Enlist evaluation test parameters for coated tablets.

UNIT – II

- 4 Discuss production, filling and quality control test for hard gelatin capsules.

OR

- 5 (a) Discuss production of soft gelatin capsule.
(b) Add a note on stability testing and storage of capsule dosage form.

UNIT – III

- 6 Explain microencapsulation by coacervation phase separation technique.

OR

- 7 Add a note on microcapsule preparation by:

- (a) Multiorifice centrifugal process.
- (b) Air suspension techniques.

UNIT – IV

- 8 (a) Explain sources of contamination in parenterals and methods for prevention of it.
(b) Add a note on additives to be used in small volume parenterals.

OR

- 9 Add a note on:

- (a) Large volume parenterals.
- (b) Lyophilisation process in parenterals.

UNIT – V

- 10 Explain the equipments used for packaging of solid, liquid and semisolid dosage form.

OR

- 11 Elaborate on parenteral packaging material with its evaluation tests.