

PHARMACEUTICAL TECHNOLOGY – II

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Enlist different types of tablets.
 - (b) Enlist types of coating materials used for tablet coating.
 - (c) Enlist advantages and disadvantages of capsule dosage form.
 - (d) Enlist materials used for capsule shell.
 - (e) Enlist vehicles used in parenterals.
 - (f) Enlist methods for preparation of microencapsules.
 - (g) Discuss importance of microencapsulation in pharmacy.
 - (h) Enlist routes of administration of parenterals.
 - (i) Enlist types of containers used in parenterals.
 - (j) Define orange peel and mottling effect.

PART – B

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

UNIT – I

- 2 Elaborate on the process involved in tablet manufacturing.

OR

- 3 Give significance of granulation process in tableting. Explain various techniques and equipments used for granulation.

UNIT – II

- 4 Explain the process of manufacturing of gelatin shell. Add a note on capsule filling equipment.

OR

- 5 Classify capsules based on its size and capacity. Explain quality control test for capsules.

UNIT – III

- 6 Explain mechanical process for preparation of microencapsulation in detail.

OR

- 7 Explain in detail evaluation test of microencapsules. Add a note on air suspension techniques.

UNIT – IV

- 8 Explain the construction and working of aseptic area in parenteral manufacturing.

OR

- 9 Explain formulation aspect of parenterals with its quality control test.

UNIT – V

- 10 Explain types of packaging materials used in pharmaceuticals. Explain in detail methods of evaluation as per IP.

OR

- 11 Elaborate on glass and plastic as packaging material with its evaluation tests.
