

Code: 15R00503

**R15**

B.Pharm III Year I Semester (R15) Supplementary Examinations June 2018

**PHARMACEUTICAL TECHNOLOGY – II**

Time: 3 hours

Max. Marks: 70

**PART – A**

(Compulsory Question)

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- 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.

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