

B.Pharm III Year II Semester (R13) Supplementary Examinations December 2017

**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) Write two advantages and disadvantages of capsules with reference to tablets.
  - (b) Define microencapsulation and give its significance.
  - (c) Write the significance of tablet coating.
  - (d) Discuss the importance and methods of maintaining isotonicity in parenterals.
  - (e) Enumerate the factors influencing the selection of containers.
  - (f) Write a note on storage of capsules.
  - (g) What are the ideal characters of coating materials for microencapsulation?
  - (h) What is direct compression? Write its significance.
  - (i) What are the different vehicles that are used in formulating a parenteral?
  - (j) Write a note on legal aspects required for a container.

**PART – B**

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

**UNIT – I**

- 2 Explain in detail the various quality control tests for capsules.

**OR**

- 3 Elaborate on equipments used for manufacturing of hard gelatin and soft gelatin capsules. (one each)

**UNIT – II**

- 4 Write down the different evaluation tests for microcapsules and elaborate on any two.

**OR**

- 5 Write brief note on:

- (a) Spray drying method.
- (b) Coacervation phase separation technique.

**UNIT – III**

- 6 What is the significance of granulation in manufacture of tablets? Write on the different methods of granulation.

**OR**

- 7 (a) What are the evaluation parameters for tablets?  
(b) Explain the various processing problem and their causes in tablet making.

**UNIT – IV**

- 8 (a) Discuss on formulation of parenterals.  
(b) Describe the steps involved in manufacture of parenterals.

**OR**

- 9 Explain in detail, the evaluation tests for parenterals.

**UNIT – V**

- 10 (a) Discuss on methods of packing liquids.  
(b) Write the tests for corrugated boxes used for packaging.

**OR**

- 11 Elaborate various types of containers used for packing pharmaceuticals. Add note on testing of glass containers.