

B.Pharm III Year II Semester (R13) Supplementary Examinations May/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)
- Write about bloom strength.
  - Write the advantages and disadvantages of capsules.
  - Write the significance of microencapsulation in pharmacy.
  - Mention various evaluation parameters of microcapsules.
  - Explain the causes and remedies for orange peel effect.
  - Mention various parts and their role of rotary tablet compression machine.
  - Write about various routes of administration of parenteral products.
  - Write about various preservatives used in parenteral products.
  - Discuss the factors influencing the choice of containers.
  - Explain about treated soda lime glass and its applications.

**PART – B**

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

**UNIT – I**

- 2 Write in detail about hard gelatin capsule filling method.
- OR**
- 3 Give a detailed account on various quality control tests for capsules.

**UNIT – II**

- 4 Explain in detail about phase separation coacervation method of microencapsulation.
- OR**
- 5 Write a detailed note on spray drying and spray congealing methods.

**UNIT – III**

- 6 Give a detailed account on formulation of tablets.
- OR**
- 7 Explain in detail about causes and remedies of various processing problems of tablets.

**UNIT – IV**

- 8 Describe various methods of adjusting tonicity of parenteral products.
- OR**
- 9 (a) Write about the methods of preparation of water for injection.  
(b) Explain about any method for sterilization of containers.

**UNIT – V**

- 10 Write about the methods for packing of solids and liquids.
- OR**
- 11 Write about:
- Stability of packaging.
  - Metals as packing materials.

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