

Code: 9R01602

B.Pharm III Year II Semester (R09) Supplementary Examinations May/June 2017

PHARMACEUTICAL TECHNOLOGY – II

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 Write short notes on the following:
 - (a) Advantages and disadvantages of capsule dosage forms.
 - (b) Processing problems in capsule manufacturing.
 - (c) Sizes of hard gelatin capsules and grades of gelatin used for the preparation of capsules.
- 2
 - (a) Give the advantages of microencapsulation of drugs and mention various microencapsulation techniques of drugs.
 - (b) Explain microencapsulation by phase separation-coacervation technique and spray congealing method.
- 3
 - (a) What are effervescent tablets? How do you formulate them?
 - (b) Briefly discuss on enteric coated tablets and its advantages.
 - (c) What are sublingual tablets? Give examples.
- 4
 - (a) Give the importance of tablet coating.
 - (b) Write a note on pan coating.
 - (c) Write the steps involved in sugar coating of tablets.
- 5 Write short notes on the following:
 - (a) Parenteral routes of drug administration and advantages.
 - (b) Sterilization of containers and closures of parenterals products.
- 6
 - (a) Give the principles of aseptic technique.
 - (b) Explain the types and significance of laminar flow benches.
- 7
 - (a) Different types of containers used for pharmaceuticals, their advantages and disadvantages.
 - (b) Discuss the official requirements and testing of glass containers.
- 8 Explain briefly about:
 - (a) Stability and packaging of pharmaceuticals.
 - (b) Methods of packing of liquid and semisolid dosage forms.
