

SET- I**Subject Code: B133201/R13****III B.Pharmacy II Semester Regular/Supplementary Examinations, April – 2018****PHARMACEUTICAL TECHNOLOGY - II****Time: 3 hours****Max. Marks: 70**Note: 1. Question Paper Consists of two parts (**Part-A** and **Part-B**)2. Answering the question in **Part-A** is Compulsory,3. Answer any **THREE** Questions from **Part-B**

PART-A

1. (a) Define capsules and write the advantages and disadvantages of capsules.
- (b) Write short note on spray drying process in microencapsulation.
- (c) What is meant by Capping & Lamination problems in tablet manufacturing process?
- (d) Write the classification of coating materials used in coating of tablets.
- (e) Write a brief note on Lyophilization technique.
- (f) Write the factors influencing packing material. [3+4+4+4+4+3]

PART-B

2. (a) Discuss the formulation of hard gelatin capsules. Explain any one filling machine for hard capsule with diagram.
- (b) Write the importance of base absorption & minimum/gm factor in soft capsules. [8+8]
3. (a) Write in detail about microencapsulation by air suspension technique with diagram.
- (b) Write about evaluation of micro capsules. [8+8]
4. (a) Write about formulation ingredient used in preparation of tablets with examples.
- (b) Discuss the manufacturing of tablets using single punch machine with diagram. [8+8]
5. (a) What are the problems of film coating and suggest methods to overcome the same.
- (b) Classify film formers used in tablet coating. Discuss advantages of using HPMC as a coating Material. Add a note on fluidized coating technique with diagram. [8+8]
6. (a) What is Isotonicity? Explain various methods of tonicity adjustment.
- (b) Write in detail formulation of parenterals. [8+8]
7. (a) Write the help of a flow chart and explain the working of “Blister packing” machine.
- (b) Outline the method of evaluation of packing material used in pharmaceutical industry. [8+8]

