

**Subject Code: B133201/R13****III B. Pharmacy II Semester Regular Examinations April - 2017****PHARMACEUTICAL TECHNOLOGY-II****Time: 3 hours****Max. Marks: 70**

Question Paper Consists of **Part-A** and **Part-B**  
Answering the question in **Part-A** is Compulsory,  
Three Questions should be answered from **Part-B**

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**PART-A**

1. (a) Write a short note on gelatin used for formulation of capsule shell.
- (b) Write a note on pan coating technique for microencapsulation.
- (c) Give an account on formulation of chewable tablets.
- (d) Write a note on pan pour and pan spray method.
- (e) Explain in detail about various types of Non-aqueous vehicles used in parenterals.
- (f) Give a note on types of containers and closures used for packaging of liquids.

[3+3+4+4+4+4]

**PART-B**

2. (a) Write in detail about manufacturing of hard gelatin capsule shell.
- (b) Explain rotary die process for manufacturing of soft gelatin capsules. [8+8]
3. (a) What is microencapsulation & add a note on spray congealing and polymerization complex emulsion techniques.
- (b) Explain the types of microencapsulation and give a note on importance of microencapsulation in pharmacy. [8+8]
4. (a) Write a short note on formulation of compressed tablets.
- (b) Explain in detail about rotary tablet press with a neat labelled diagram. [8+8]
5. (a) Give an account on enteric coating.
- (b) Discuss in detail about different equipments used for the tablet coating process. [8+8]
6. (a) Write a note on equipments used for the large scale manufacturing of parenterals.
- (b) Give a note on the following  
(i) HEPA filters (ii) Preservatives used in parenterals [8+8]
7. (a) Discuss about the methods of packaging for solid dosage forms.
- (b) Explain various evaluation tests for packaging materials. [8+8]

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