

Code No: B133201

R13**SET - 1****III B. Pharmacy II Semester Supplementary Examinations, Nov/Dec - 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**
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PART -A

1. a) Discuss the advantages and disadvantages of capsule formulation. (3M)
- b) Write the objectives of microencapsulation method. (4M)
- c) Write a note on super disintegrants. (4M)
- d) Write in brief on sugar coating of tablets. (4M)
- e) What is water for injection? Write its significance. (4M)
- f) Enumerate different types of metals used for packaging of pharmaceuticals. (3M)

PART -B

2. a) With a neat sketch explain the manufacture of soft-gelatin capsules. (10M)
- b) Discuss the methods for evaluation of soft-gel capsules. (6M)
3. a) Enumerate techniques used for microencapsulation. Write in detail on coacervation process and spray drying. (10M)
- b) Write a note on coating materials used for microencapsulation. (6M)
4. a) With a neat sketch explain the working of tablet machine. (8M)
- b) Discuss the principle, procedure and uses of disintegration and dissolution tests for tablets. (8M)
5. a) Write in detail on equipment used for tablet coating. (10M)
- b) Write short notes on formulation of controlled release film coat. (6M)
6. a) Write in detail on sources of contamination in sterile facility. Add a note on measures to be taken for controlling them. (10M)
- b) Write short notes on design of sterile area. (6M)
7. a) Write methods used for evaluation of glass containers and rubber closures as per IP. (10M)
- b) Discuss the factors effecting selection of packaging materials. (6M)