

Roll No.

--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 01

Total No. of Questions : 06

M.Pharmacy(Industrial Pharmacy) (2017 Batch) (Sem.-2)

PHARMACEUTICAL PRODUCTION TECHNOLOGY

Subject Code : MIP-203T

M.Code : 74933

Time : 3 Hrs.

Max. Marks: 75

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of SIX questions.
2. Each question carries FIFTEEN marks.

1. a) Write a note on area planning and floor treatment required for parenteral production. 7.5
b) What are the product considerations for filling of hard gelatin capsules? 7.5
2. Write short notes on :
 - a) Types of packaging materials 5
 - b) Spray drying 5
 - c) AHUs 5
3. a) What is fluidized bed coating? Mention the application techniques. Give a brief account of problems encountered during coating process. 10
b) What are the characteristics of ideal package? 5
4. Define Lyophilisation. Discuss its various stages in detail. What are the various factors which affect the process of lyophilization? 15
5. a) Enlist the applications of mixers and discuss the utility of milling equipment for fine solid dispersion. 8
b) Discuss in details continuous and batch mixing processes. 7
6. a) Explain in detail the tablet production process and problems encountered during the process. 10
b) Discuss any two water treatment techniques. 5

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

