

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of Medical and Allied Sciences Summer Term Examination – July - August 2024 [Programme: B.Pharm] [Semester: IIIrd] [Batch: Summer 2023-24]				
Course Title: Pharmaceutical Engineering Course Code: BP304T/ BPHT3004		Max Marks: 100 Time: 3 Hrs.		
Instructions:	1. All questions are compulsory. 2. Assume missing data suitably, if any.			
		K Level	COs	Marks
SECTION-A (15 Marks)		5 Marks each		
1.	Explain about Size Reduction and its mechanism.	K2	CO1	5
2.	Show the difference between sieve shaker and cyclone separator in the context of size separation.	K2	CO2	5
3.	Illustrate about membrane filter with its uses, advantages and disadvantages.	K2	CO2	5
SECTION-B (40 Marks)		10 Marks each		
4.	Explain Ball mill and Hammer mill in the context of size reduction. Provide an example to illustrate the difference between the two.	K2	CO1	10
5.	Construct the process of measure flow of fluid by pitot tube.	K3	CO2	10
6.	Distinguish between vacuum dryer and freeze dryer.	K4	CO3	10
7.	Choose one of these equipment Perforated basket centrifuge and Non-perforated basket centrifuge for detail explanation.	K3	CO4	10
SECTION-C (45 Marks)		15 Marks each		
8.	Conclude, how do fluidized bed dryer perform drying process for different materials?	K4	CO3	15
9.	Examine the mechanism of Corrosion in different metals.	K5	CO4	15
10	Appraise the construction of Non-perforated basket centrifuge, semi continuous centrifuge and super centrifuge.	K5	CO5	15