

Name. _____		Printed Pages:01		
Student Admn. No.: _____				
School of Pharmacy Semester End Examination (SEE), Summer Term, August 2023 [Programme: B.Pharm] [Semester: 2022-23 – Sem IV] [Batch: 1]				
Course Title: Pharmaceutical Engineering Course Code: 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.	Illustrate about the term Drying and explain about tray dryer.	K2	CO3	5
2.	Interpret about filter aid in detail with its application.	K2	CO4	5
3.	Summarize about importance of fine particles in pharmaceutical industry.	K2	CO6	5
SECTION-B (40 Marks)		10 Marks each		
4.	Explain about the term size separation and discuss about cyclone separator.	K2	CO1	10
5.	Apply a note on size reduction and discuss about cutter mill.	K3	CO1	10
6.	Build a note on evaporation and factors influencing evaporation process.	K3	CO2	10
7.	Develop a note on fractional distillation.	K3	CO2	10
SECTION-C (45 Marks)		15 Marks each		
8.	Analyze the term mixing, its application and write in detail about double cone blender.	K4	CO3	15
9.	Examine the terms filtration and write in detail about filter leaf.	K5	CO4	15
10	Inspect about the theories of corrosion and types of corrosion in pharmaceutical products.	K5	CO5	15