Name. _____ **Student Admn. No.: _____**	**Printed Pages:01**

School of Medical & Allied Sciences
Summer TermExamination – July - August 2024
[Programme: B.Pharm] [Semester:4th] [Batch: Summer 2023-24]

Course Title: Physical Pharmaceutics-II **Course Code: BP403T/BPHT4003**	**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.	Define different types of colloidal system as per size characteristics.	K2	CO1	5
2.	Explain Brownian motion of colloids with its application.	K2	CO2	5
3.	Outline about the dilatant flow of liquids in detail.	K2	CO2	5
	SECTION-B (40 Marks) 10 Marks each			
4.	Define about the various application of colloids.	K2	CO1	10
5.	Develop a note on ostwald's viscometer.	K3	CO2	10
6.	Compare between elastic and plastic deformations.	K4	CO3	10
7.	Build a note on composition of microsphere and various methodology used to prepare microspheres.	K3	CO6	10
	SECTION-C (45 Marks) 15 Marks each			
8.	Examine the different derived properties of powder.	K4	CO3	15
9.	Assume about the particle number and write in detail about coulter counter apparatus used to analyze particle size.	K5	CO4	15
10	Conclude about the different types of drug degradation during storage condition.	K5	CO5	15