B. Pharm / Som-TITI CBSGS Reg/ Ph. Cerdicis-T

QP Code: 717101

[Total Marks: 70

			(3 Hours) [Total Marks:	70
	N.B.	: (1		
		(2	Draw neat diagrams wherever necessary.	-
				SA
	1. (2	a) Enl Illu	ist the various parameters considered during validation of Mixing Operation strate your answer with the help of suitable Mixing equipment.	4
	1. (1	b) Wh	by it is important to perform sale forecasting studies? Correlate these studies the production planning operation.	All and a second
)	1 (1	h) Die	scuss the various elements of Cost Control in material management.	4
	1. (c) Ev	plain any one laboratory technique to study mucoadbesion.	3
			we the basic principles of Osmosis.	2
			w the potency of the Antibiotic is determined? Illustrate your answer with suitable	2
	1. (imple.	
		Ex	rite the mechanism of Microencapsulation by interfacial polymerisation method. plain it with the help of suitable example. OR	Assets as a second seco
	2. (a) Wi	rite in brief about any one industrial process used for Microencapsulation.	4
	2. (b) Gi	ve the layout plan for manufacturing of terminally sterilized product.	4
	2. ((c) Co	mment: Successful application of cGMP is complex and by no means a substitute good quality programme.	3
	3. (ve the advantages of the Transdermal drug delivery system. How will you design embrane permeation controlled Transdermal drug delivery system?	400
	3. (ow will you validate Steam sterilization cycle?	4
			rite in brief about Retrieval of documents.	3
	4. (scuss the various factors to be considered in the designing of Facility for small ale pharmaceutical industry.	4
	4. ((b) Er	ulist the essential steps in the construction of Control charts. Write the importance UCL & DCL in the construction of control charts.	3
	4. ((c) Gi	ve the concept of Active & passive targeting.	2
			ve the need for colon specific drug delivery system.	2
			OR	
	4.	(d) Er	nlist the various types of Bioadhesive polymers used in drug delivery.	
		10.		

6. (c) Develop colon targeted drug delivery system by using pH sensitive polymers. 6. (b) Discuss the various parameters considered during scale up of suspension 6. (b) Prepare the Batch Manufacturing Record for Cough Syrup. 6. (a) Explain with the help of suitable examples design & release kinetics of Osmotic 4 (a) Write the specifications for the inert material with respect to its Quality control. (d) Discuss the essential Qualification requirement for the Personnel working in the Mention the reasons for the Microencapsulation. Explain the various factors affecting mucoadbesion.