Enrollment No:	Exam Seat No:
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C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name: Pharmaceutical Technology II

Subject Code: 4PS08PTE1 Branch: B.Pharm

Semester: 8 Date: 15/04/2019 Time: 10:30 To 01:30 Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1		Attempt the following questions:	(14)
	a)	Write the two disadvantages of tablets.	(1)
	b)	Name two examples of superdisintegrants.	(1)
	c)	Explain briefly the objectives of enteric coated tablet.	(1)
	d)	Define the term 'Lozenges'.	(1)
	e)	Define the term 'Orange peel effect'.	(1)
	f)	Write Heckel equation.	(1)
	g)	Define the term 'Bloom strength'.	(1)
	h)	Name two marketed instruments used for capsule filling.	(1)
	i)	Define the term 'Extrusion'.	(1)
	j)	Define the term 'Pellets'.	(1)
	k)	Define the term 'Permeation'.	(1)
	1)	Define the term 'Roll-on closure'.	(1)
	m)	Define the term 'Documentation'.	(1)
	n)	Write full form of cGMP.	(1)
Atten	not any f	four questions from Q-2 to Q-8	
Q-2	1 3 3	Attempt all questions	(14)
~ –	a	Describe the in-process quality control of tablets.	(7)
	b	Define the term 'compression' and 'compaction'. Explain briefly the various	(7)
		types of tablet tooling.	` '
Q-3		Attempt all questions	(14)
QJ	a	Explain compression cycle of rotary tablet press with the help of diagram.	(7)
	b	Describe rotary die process for manufacturing of soft gelatin capsule shell.	(7)
		Describe rotally die process for manufacturing of sort german empsare shem.	(,)
Q-4		Attempt all questions	(14)
₹ .	a	Describe base adsorption in capsule.	(7)
	b	Explain Auger filling method with the help of diagram.	(7)

Q-5		Attempt all questions	(14)
	a	Describe Multi-orifice centrifugal microencapsulation with the help of diagram.	(7)
	b	Write a note on Wurster air suspension.	(7)
Q-6		Attempt all questions	(14)
	a	Write principle, construction, working, advantages and disadvantage of hot melt extruder.	(7)
	b	Describe the use of micro-crystalline cellulose in pellet formation during extrusion.	(7)
Q-7		Attempt all questions	(14)
	a	Explain tamper-resistant packaging.	(7)
	b	Write a note on film wrapper.	(7)
Q-8		Attempt all questions	(14)
-	a	Explain the procedure for validation of steam sterilizer.	(7)
	b	Describe building and premises for Pharmaceutical industry as per GMP.	(7)

