

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name: Pharmaceutical Technology II

Subject Code: 4PS08PTE1

Branch :B.Pharm

Semester : 8

Date : 24/04/2018

Time : 02:30 To 05:30

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.
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Q-1	Define the following terms:	(14)
	a) Binding	(1)
	b) Lamination	(1)
	c) Mottling	(1)
	d) Glidant	(1)
	e) Diluent	(1)
	f) Type A Gelatin	(1)
	g) Type B Gelatin	(1)
	h) Capsule	(1)
	i) Microsphere	(1)
	j) Pelletization	(1)
	k) Extruder	(1)
	l) Quality Assurance	(1)
	m) Documentation	(1)
	n) Validation	(1)

Attempt any four questions from Q-2 to Q-8

Q-2		(14)
	a) Describe various steps involved in sugar coated tablets.	(7)
	b) Write a technical note on pharmaceutical tablet compression machine.	(7)
Q-3		(14)
	a) Describe the process of manufacturing gelatin used in capsules with the help of flow chart.	(7)
	b) Discuss various evaluation parameters for tablets.	(7)
Q-4		(14)
	a) Describe various mechanisms of disintegrating agents.	(7)
	b) Explain the Dissolution test apparatus as per I.P. (any one)	(7)



- Q-5** (14)
- a Describe various properties of soft gelatin shell. (7)
 - b Write the applications of microcapsules in pharmacy. (7)
- Q-6** (14)
- a Discuss in detail hot melt extrusion. (7)
 - b Write a note on auger filling in soft gelatin capsule shell. (7)
- Q-7** (14)
- a Write the use of micro crystalline cellulose (MCC) in pellet formation during extrusion. (7)
 - b Write a note on secondary packaging. (7)
- Q-8** (14)
- a Discuss the various parameters to be considered during construction of Pharmaceutical Industry. (7)
 - b Write the procedure for validation of hot-air oven. (7)

