

C.U.SHAH UNIVERSITY

Winter Examination-2018

Subject Name: Pharmaceutical Technology II

Subject Code: 4PS08PTE1

Branch :B.Pharm

Semester : 8

Date : 19/10/2018

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.
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Q-1	Define the following terms:	(14)
	a) Capping	(1)
	b) Sticking	(1)
	c) Disintegrant	(1)
	d) Sub-coating	(1)
	e) Syrup coating	(1)
	f) Blistering	(1)
	g) Orange peel effect	(1)
	h) Gelatin	(1)
	i) Bloom strength	(1)
	j) Extrusion	(1)
	k) Spheronizer	(1)
	l) Validation	(1)
	m) Packaging	(1)
	n) Records	(1)

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

Q-2		(14)
	a Describe the in-process quality control of tablets.	(7)
	b Write a note on tablet tooling.	(7)
Q-3		(14)
	a Explain the various materials used in film coating.	(7)
	b Draw a flow chart of process of manufacturing gelatin used in capsule.	(7)
Q-4		(14)
	a Describe base adsorption in capsule.	(7)
	b Explain coacervation-phase separation.	(7)



- Q-5** (14)
- a Discuss independent dosing system. (7)
 - b Describe the use of eudragit in pellet formation during extrusion. (7)
- Q-6** (14)
- a Write principle, construction, working, advantages and disadvantage of hot melt extruder. (7)
 - b Describe the various types of glass used in parenteral as per USP. (7)
- Q-7** (14)
- a Explain tamper-resistant packaging. (7)
 - b Write a note on closure used in pharmacy. (7)
- Q-8** (14)
- a Explain the procedure for validation of steam sterilizer. (7)
 - b Write a note on documents. (7)

