

C.U.SHAH UNIVERSITY

Winter Examination-2018

Subject Name: Pharmaceutical Technology I

Subject Code: 4PS07PTE1

Branch : B.Pharm

Semester : 7

Date : 27/11/2018

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.
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Q-1	Define the following terms:	(14)
	a) Buffer	(1)
	b) Tonicity contributor	(1)
	c) Emulsifier	(1)
	d) Cracking	(1)
	e) Cream	(1)
	f) Displacement value	(1)
	g) Aerosol	(1)
	h) Dialysis fluid	(1)
	i) Nanosuspension	(1)
	j) Ophthalmic preparation	(1)
	k) Sunscreen	(1)
	l) Nail polish	(1)
	m) Critical Temperature	(1)
	n) Triple point	(1)

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

Q-2		(14)
	a Explain deionized water system for the manufacturing of liquid pharmaceutical products with the help of flow chart.	(7)
	b Write a note on reducing agents and antioxidants.	(7)
Q-3		(14)
	a Describe the evaluation parameters for suspension.	(7)
	b Classify ointment bases with suitable examples.	(7)
Q-4		(14)
	a Describe the various methods for manufacturing pharmaceutical aerosol. Explain any one in detail.	(7)
	b Write the evaluation of suppositories.	(7)



- Q-5** (14)
a Explain sterility testing for parenteral products. (7)
b Describe laminar air flow system. (7)
- Q-6** (14)
a Explain Blow Fill and Seal technology. (7)
b Write a note on Total Parenteral Nutrient. (7)
- Q-7** (14)
a Discuss in detail Lyophilization. (7)
b Write a note on Dentifrices. (7)
- Q-8** (14)
a Discuss in detail gas anti-solvent (GAS). (7)
b Write a note on PGSS. (7)

