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

Summer Examination-2019

Subject Name: Pharmaceutical Analysis-I

Subject Code: 4PS02PHA1 **Branch:** B.Pharm

Semester: 2 Date: 30/04/2019 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.

Q-1		Attempt the following questions:	(14)
	a)	Define Precision	(1)
	b)	Explain Self indicator with example.	(1)
	c)	Define Normality.	(1)
	d)	Explain error and write down its types.	(1)
	e)	Define pH and write down its range.	(1)
	f)	Give example of Acid base indicator.	(1)
	g)	Define Common ion effect.	(1)
	h)	Give Examples Mixed indicator.	(1)
	i)	Define Molarity.	(1)
	j)	Explain. Iodometry.	(1)
	k)	Define Primary standard.	(1)
	l)	Write Example of Complexometric titration.	(1)
	m)	Define Lewis acid.	(1)
	n)	Describe Metal ion indicator.	(1)
Atten	not any f	four questions from Q-2 to Q-8	
Q-2	-pr unj	questions from § 2 to § o	(14)
~ -	a	Explain Henderson-Hessselblach equation.	(7)
	b	Explain Mohr's method of analysis in detail.	(7)
Q-3			(14)
•	a	Describe steps involved in Gravimetric Analysis.	(7)
	b	Explain Law of mass action.	(7)
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Q-4		THE STATE OF THE S	(14)
	a	Write a note on Acidimetry in non aqueous titration.	(7)
	b	Enumerate types of Error and methods of minimizing error.	(7)



Q-5			(14)
	a	Write detail application of Complexometric titration.	(7)
	b	Explain Hydrolysis of Salt.	(7)
Q-6			(14)
	a	Define Precipitation titration and explain the effect of acid, temperature and solvent on precipitation titration.	(7)
	b	Explain neutralization curve of Acid base titration.	(7)
Q-7			(14)
	a	Explain Cerrimetry in detail	(7)
	b	Write down theory of Acid Base indicator.	(7)
Q-8			(14)
	a	Write a note on Argentometric titration.	(7)
	b	Explain Co-precipitation along with its types and differentiate between co- precipitates and post precipitate.	(7)

