Enrollment No: _____ Exam Seat No:_____

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name : Pharmaceutical Analysis I - Theory
Subject Code : BP102T Branch: B.Pharm
Semester : 1 Date : 14/03/2019 Time : 02:30 To 05:30 Marks : 75

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:**	**(20)**
	a)	Define Half wave potential.	**02**
	b)	Explain Ilkovic equation.	**02**
	c)	Define Conductance and cell constant	**02**
	d)	Write application of Conductometry.	**02**
	e)	Explain Nernst equation.	**02**
	f)	Define Co- precipitation.	**02**
	g)	Explain masking agents with example	**02**
	h)	Define Normality.	**02**
	i)	Define Accuracy and precision.	**02**
	j)	Explain the term error and write down its types.	**02**

Attempt the following questions:

Q-2		**Attempt any two of following :**	**(20)**
	A	Describe the types of Conductmetric titration curve.	**10**
	B	Enumerate different types of electrode and explain calomel electrode in detail	**10**
	C	Write down a brief note on theory of Acid-base indicator.	**10**
Q-3		**Attempt any Seven of following :**	**(35)**
	A	Write a note on different types of Conductivity cell.	**5**
	B	Explain Lewis Acid base theory.	**5**
	C	Write Alkalimetry in nonaqueos titration.	**5**

D	Describe the preparation and stardarization of Sodium hydroxide.	**5**
E	Explain basics of current in polarography.	**5**
F	Explain Cerimetry in detail.	**5**
G	Give a short note on iodometry.	**5**
H	Describe Fajan method in detail.	**5**
I	Write a note on limit test of Chloride.	**5**