Enrollment No: _____ Exam Seat No:_____

C.U.SHAH UNIVERSITY

Winter Examination-2018

Subject Name : Pharmaceutical Analysis I - Theory
Subject Code : BP102T **Branch: B.Pharm**
Semester : 1 **Date : 28/11/2018** **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 Error and write down its types.
b) Give Arrhenius theory.
c) Define Ligand and enumerate its types.
d) Write a note on types of solvent used in nonaqueous titration.
e) Define Self indicator with example.
f) Explain Ilkovic equation.
g) Define Normality and Molarity.
h) Define Co-precipitation.
i) Write down the application of Conductometry.
j) Give the main features of Disodium EDTA

Attempt the following questions:

Q-2 **Attempt any two of following :** **(20)**

A	Explain in detail the Steps involved in Gravimetric Analysis.	**10**
B	Classify Electrode and explain Calomel electrode in detail with its advantages and disadvantages.	**10**
C	Describe in detail theories of Acid Base indicators.	**10**

Q-3 **Attempt any Seven of following :** **(35)**

A	Explain basics of current in Polarography.	**5**
B	Write a brief note on Iodometry.	**5**
C	Describe the role of Masking and Demasking agents in Complexometric titration.	**5**
D	Explain Acidimetry in Nonaqueous Titration.	**5**
E	Write the Limit Test for Sulphate.	**5**
F	Explain Lewis and Lowry Bronsted theory of Acid base titration.	**5**
G	Describe Mohr's method in detail.	**5**
H	Write the Preparation and Standardization of 0.1 N Sodium Thiosulphate.	**5**
I	Explain Cerimetry in detail.	**5**