

# C.U.SHAH UNIVERSITY

## Summer Examination-2020

**Subject Name : Pharmaceutical Analysis I - Theory****Subject Code : BP102T****Branch: B.Pharm****Semester : 1****Date : 26/02/2020****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.
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<b>Q-1</b>	<b>Attempt the following questions:</b>	<b>(20)</b>
	a) Give the preparation of 0.1N NaOH.	02
	b) Explain Ilkovic equation.	02
	c) Define Molar conductance	02
	d) Write application of Potentiometry..	02
	e) Explain Nernst equation.	02
	f) Define Primary Standard with Example.	02
	g) Explain masking agents with example	02
	h) Define Molarity.	02
	i) Define Accuracy and Precision.	02
	j) Give the principle of Mohr's Method.	02

**Attempt the following questions:**

<b>Q-2</b>	<b>Attempt any two of following :</b>	<b>(20)</b>
<b>A</b>	Explain the Steps of Gravimetric Analysis.	10
<b>B</b>	Describe the types of Conductmetric titration curve.	10
<b>C</b>	Write down a brief note on theory of Acid-base indicator.	10
<b>Q-3</b>	<b>Attempt any Seven of following :</b>	<b>(35)</b>
<b>A</b>	Explain Bromatometry.	5
<b>B</b>	Write Acidimetry in nonaqueous titration.	5
<b>C</b>	Explain Lewis Acid base theory.	5



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|----------|---|----------|
| <b>D</b> | Write a note on limit test of Sulphate.                               | <b>5</b> |
| <b>E</b> | Describe Vohlard method in detail.                                    | <b>5</b> |
| <b>F</b> | Write a note on Coprecipitaion along with mechanism.                  | <b>5</b> |
| <b>G</b> | Give a short note on iodometry.                                       | <b>5</b> |
| <b>H</b> | Explain basics of current in polarography.                            | <b>5</b> |
| <b>I</b> | Describe the preparation and stardarization of Potassium Permaganate. | <b>5</b> |

