

# C.U.SHAH UNIVERSITY

## Winter Examination-2015

Subject Name: Pharmaceutical Chemistry-I (Inorganic)

Subject Code: 4PS01PCH1

Branch: B.Pharm

Semester: 1

Date: 4/12/2015

Time: 10:30 To 1:30

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.

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<b>Q-1</b>	<b>Attempt the following questions:</b>	<b>(14)</b>
	a) Define Physiological buffer.	1
	b) Write one example of Emetics.	1
	c) Define respiratory stimulants.	1
	d) Write one example of Antidotes.	1
	e) Write one use of Sedatives with example.	1
	f) Write one use of Preservatives with example.	1
	g) Write one example of Diluents.	1
	h) Write the formula of Chlorinated lime.	1
	i) Write one use of potassium permanganate	1
	j) Write one use of Hydrogen peroxide.	1
	k) Define astringents.	1
	l) Define haematinics.	1
	m) Define impurities.	1
	n) Define Official drug.	1

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

<b>Q-2</b>	<b>Attempt all questions</b>	<b>(14)</b>
	A Write a note on Acid-Base theory. Explain Bronsted-Lowry theory.	7
	B Write a detailed note on Limit test for Arsenic.	7
<b>Q-3</b>	<b>Attempt all questions</b>	<b>(14)</b>
	A Classify Antacids with suitable examples. What are the ideal properties of Antacids?	7
	B What is Buffer? Write about the different types of physiological Buffer.	7
<b>Q-4</b>	<b>Attempt all questions</b>	<b>(14)</b>
	A Write a detailed note on Limit test for chloride and sulphate.	7
	B Derive Hendersen-Hasselbalch equation. Write its importance.	7



<b>Q-5</b>	<b>Attempt all questions</b>	<b>(14)</b>
<b>A</b>	Write the preparation, properties and uses of $\text{NaHCO}_3$ and $\text{Al}(\text{OH})_3$ ?	<b>7</b>
<b>B</b>	Write classification of cathartics and explain their mechanism of action.	<b>7</b>
<b>Q-6</b>	<b>Attempt all questions</b>	<b>(14)</b>
<b>A</b>	What are the various sources of impurities? Write in brief.	<b>7</b>
<b>B</b>	Write a short note on Oral Rehydration Salt.	<b>7</b>
<b>Q-7</b>	<b>Attempt all questions</b>	<b>(14)</b>
<b>A</b>	Discuss the various hazards and precautions during handling various radio pharmaceuticals.	<b>7</b>
<b>B</b>	What are the instruments used for measuring radioactivity? Write a note on Geiger Muller counter.	<b>7</b>
<b>Q-8</b>	<b>Attempt all questions</b>	<b>(14)</b>
<b>A</b>	Write in detail about various Anti-infective used as topical agents.	<b>7</b>
<b>B</b>	Write in detail about essential and Trace Elements.	<b>7</b>

