## **C.U. SHAH UNIVERSITY**

## Winter Examination-2020

Subject Name: Pharmaceutical Inorganic Chemistry - Theory Subject Code: BP104T Branch: Pharm

Semester: 1 Date: 12/03/2021 Time: 11:00 To 02:00 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)
	<b>a</b> )	Give the sources of impurities.	2
	<b>b</b> )	Define Acids and Bases according to Arrhenius concept.	
	<b>c</b> )	Define Buffer Solution with classification and example.	2
	<b>d</b> )	Define Cathartics Agents with examples	2
	<b>e</b> )	Define Half life of Radioactive material with equation.	2
	f)	Enumerate the role of fluoride in Dental Caries.	2 2 2 2 2 2 2 2 2 2 2
	g)	Define Expectorants give their mechanism.	2
	h)	Define Buffer Capacity.	2
	i)	Define Pharmacopoeia, with its editions.	2
	j)	Give Henderson Hesselbach Equation for acids and bases.	2
Attem	pt the f	following questions:	
Q-2		Attempt any two of following:	(20)
	$\mathbf{A}$	Explain in brief main sections of Pharmacopoeia.	10
	В	Define and classify Antacids give method of Preparation, properties and uses of Aluminum containing Antacids.	10
	C	Define Electrolytes; Explain the functions of various major physiological cations and anions.	10
Q-3		Attempt any seven of following:	(35)
	$\mathbf{A}$	Explain Physiological acid base balance in brief.	
	В	Write the principal and procedure involve in limit test for Chlorides.	5 5 5 5
	$\mathbf{C}$	Write down the ideal properties of antacids, what are combination antacids?	5
	D	Give the method of preparation, properties, uses and Assay for CaCO <sub>3</sub> .	
	${f E}$	Define and classify Antidotes, give preparation, properties, uses of NaNO <sub>2</sub> .	5
	F	Define Antimicrobials with classification, explain the mechanism of actions of antimicrobials.	5
	$\mathbf{G}$	Explain FeSO <sub>4</sub> in brief.	5
	H	Write down the Identification test, medicinal uses and Assay procedure of Nacl.	5
	I	Discuss handling and pharmaceutical applications of radioactive substances.	5

