Enrollment No:	Exam Seat No:
	C.U. SHAH UNIVERSITY

Summer Examination-2019

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

Semester: 1 Date: 19/03/2019 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)	Explain the Sources of impurities.	02
	b)	Give Arhenius Acid-Base Concept.	02
	c)	Write down the types of Buffer solutions with examples.	02
	d)	Define Cathartics Agents with examples	02
	e)	Give the definition of Radioactivity, with examples of radioactive materials.	02
	f)	Write down the definition and formula of Half life of radioactive compounds.	02
	g)	Define Expectorants give their mechanism.	02
	h)	Define buffer Equation.	02
	i)	Classify and define Acidifiers.	02
	j)	Define Pharmacopoeia, with its editions.	02
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	Write a note on mechanism of antimicrobials; give a brief on Iodine.	10
	C	Define Electrolytes, Give brief function of major physiological ions.	10
Q-3		Attempt any Seven of following:	(35)
	\mathbf{A}	Discuss handling and Pharmaceutical Applications of radioactive substances.	5
	В	Define Limit test, write the principal and procedure involve in limit test for Sulphates.	5
	\mathbf{C}	Write down the ideal Properties of antacids, what are combination antacids.	5
	D	Give the method of preparation, properties and Assay for sodium bicarbonate.	5
	${f E}$	Write down the criteria for buffers suitable for used in biological research.	5
	${f F}$	What are Emetics, give their mechanism of action with examples.	5
	\mathbf{G}	Give method of Preparation and Identification test for Ammonium Chloride.	5
	H	Write down the Identification test, medicinal uses and Assay procedure of Nacl.	5
	Ι	Explain Boric acid in brief.	5

