Sanjay Ghodawat University, Kolhapur Established as State Private University under Govt. of Maharashtra. Act No XL, 2017		2019-20 EXM/P/09/00
Year and Program: First Year B. Pharmacy 20-21	**School of Pharmaceutical Sciences**	**Department : Pharmacy**
Course Code:BP104T	**Course Title :Pharmaceutical Inorganic Chemistry**	**Semester – I**
Date: 25-02-2021 **Day : Thursday**	**Examination: End Semester**	**Time: 2 Hrs** **Max Marks: 50**

			Marks	Bloom's Level	CO
Q.1		**Objective Type Questions (Any Seven)**	**14**		
	a)	Define limit test. Give role of thioglycollic acid in the limit test of iron.	02	L1	CO1
	b)	Define acid and base as per Lewis theory.	02	L1	CO2
	c)	What is ORS and give its composition.	02	L1	CO2
	d)	List the chemical composition of zinc oxide-eugenol cements (ZOE).	02	L1	CO2
	e)	List the roles of gastric acid in the body.	02	L1	CO3
	f)	Define antacids and list characteristics of an ideal antacid.	02	L1	CO3
	g)	Classify cathartics based on mechanism.	02	L4	CO3
	h)	Define bacteriostatic and disinfectants.	02	L1	CO3
	i)	What is poison and antidote?	02	L1	CO3
	j)	What is radioactivity and half-life?	02	L1	CO4
Q.2		**Long Answers (Answer 2 out of 3)**	**15**		
	a)	Summarize different sources of impurities and explain their effects on pharmaceutical substances.	7.5	L2	CO1
	b)	Explain major intra and extra cellular electrolytes. Give physiological role of sodium and potassium.	7.5	L2	CO2
	c)	Discuss different mechanism of actions for antimicrobial agents with suitable figure.	7.5	L3	CO3
Q3		**Short Answers (Answer 7 out of 9)**	**21**		
	a)	Draw the apparatus used for limit test of Arsenic. Give the role of lead acetate plug.	03	L3	CO1
	b)	Briefly explain history of Indian Pharmacopoeia.	03	L2	CO1
	c)	What is buffer and buffer capacity? Give importance of buffers in pharmaceutical system.	03	L2	CO2
	d)	Explain role of fluoride in prevention of caries.	03	L2	CO2
	e)	Classify antacids and discuss the characteristics of an ideal antacid.	03	L2	CO3
	f)	Summarize iodine and its preparation.	03	L2	CO3

g)	Discuss the preparation, assay and medicinal uses of ammonium chloride.	03	L2	CO3
h)	Define hematinics. Write preparation, properties and medicinal uses of ferrous sulphate.	03	L2	CO3
i)	Give properties of α, β and γ radiations.	03	L2	CO4