	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	School- Pharmaceutical Sciences	Department-Pharmacy
Course Code-BP104T	Course Title- Pharmaceutical Inorganic Chemistry	Semester – I
Date: 09-12-2019 Day : Monday Time: 10.30 am to 1.30 pm	Examination: End Semester	Max Marks: 75

Instructions: 1) Draw the neat labeled diagram if necessary.
2) Figures to the right indicate full marks.
3) All questions are compulsory.

Q.1	Objective Type Questions	Marks	Bloom's Level	CO
a)	What do you mean by 'Hypochlorhydria' & 'Acidosis'?	02	L1	CO2
b)	What is mean by 'Radiopharmaceuticals'? State the units of radioactivity.	02	L1	CO3
c)	Write a short note on 'Zinc eugenol' cement.	02	L2	CO2
d)	Match the following pairs:	02	L1	CO2

A	B
I) Antacid	a) Boric acid
II) Dental products	b) Sodium bicarbonate
III) Acidifiers	c) Ammonium chloride
IV) Antimicrobial agent	d) Sodium fluoride

e)	What is principle of limit test for 'Heavy metals'?	02	L2	CO1
f)	Write in detail (ORS) 'Oral Rehydration Salt'.	02	L2	CO2
g)	What do you mean by 'GIT agent' and 'Emetics'? Write down examples.	02	L1	CO2
h)	Give uses of 'Iodine' and 'Hydrogen peroxide'.	02	L1	CO2
i)	Draw neat labeled diagram of 'Arsenic testing'. apparatus'.	02	L4	CO1
j)	Analyse the 'Ideal properties' of antacid.	02	L4	CO2

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Q.2		Long Answers (Answer 2 out of 3)			
	a)	Summarize Assay, molecular formula, method of preparation properties and medicinal uses of – a) Sodium bicarbonate b) Ammonium chloride	10	L4	CO2
	b)	What is 'Impurity'? Write the different sources of impurities in pharmaceutical substances	10	L1	CO1
	c)	Give Storage conditions, precaution, handling and pharmaceutical application of radioactive substance.	10	L2	CO3
Q3		Short Answers (Answer 7 out of 9)			
	a)	Explain the role of 'Fluoride' as anticaries. Give methods of preparation, properties and uses of 'Sodium fluoride'.	05	L2	CO2
	b)	Define the following terms 1) Hypotonic Solution 2) Expectorant 3) Desensitising agents 4) Hypernatremia 5) Buffer Capacity	05	L1	CO2
	c)	Write a note on importance of buffers in pharmaceutical system	05	L2	CO2
	d)	Define 'Haematinics' and write down assay, properties, medicinal uses of 'Ferrous sulphate'.	05	L1	CO4
	e)	What is Limit test? Explain the reaction, principle and working of limit test for 'Chloride'.	05	L2	CO1
	f)	Explain mechanism of action of 'Antidote' and add note on treatment of' Cyanide poisioning'.	05	L2	CO2
	g)	Describe the theories of acids and bases.	05	L2	CO2
	h)	Discuss Electrolytes used in 'Replacement therapy' with example.	05	L2	CO2
	i)	Write down medicinal uses of – a)calcium carbonate b)ferrous gluconate c)zinc eugenol d)potash alum e)sodium iodide[131]	05	L2	CO2

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