	Sanjay Ghodawat University, Kolhapur EstablishedasStatePrivateUniversityunderGovt.ofMaharashtra.ActNoX L,2017	2020_20 EXM/P/ 09/00

Year and Program: FY D Pharm	School of Pharmaceutical sciences	Department: Pharmacy
Course Code: DP102T	Course Title: Pharmaceutical Chemistry-I	Part-I
Date:10.08.2021 Day:Tuesday	Examination: Annual pattern	Max Marks:50 Time:2hrs

Instructions:

1. Draw proper structures wherever necessary
2. Figures to the right indicate full marks

			Marks	Bloom's Level	CO
Q.1		Short answer question. Answer any Six out of Eight (2 x 6)	**12**		
	a	Define Acid and Base according to Arrhenius theory	02	1	1
	b	Define Acidifying agents, Antacid with two examples each.	02	1	1
	c	Classify Dental products with suitable examples	02	1	1
	d	Give the types of Physiological ions.	02	1	1
	e	Define and classify Antidote	02	1	1
	f	Give the official preparations of ferrous sulphate	02	1	3
	g	What are Expectorants and Emetics?	02	2	2
	h	Give the types of Buffers	02	1	1
Q.2		Explain with suitable diagram, flow chart and Reaction. Answer any Three out of Five (3x3)	**09**		
	a	Write a note on Hydrochloric acid as acidifying agent	03	2	3
	b	Give the method of preparation for Nitrogen	03	2	2
	c	Explain oxygen as an inhalant	03	2	3
	d	Give the method of preparation and uses for Ammonium chloride	03	2	2
	e	Give the identification tests for anions	03	4	5
Q3		Illustrate following with suitable example. Answer any Three out of Five (3x3)	**09**		
	a	Give the method of preparation for Hypophosphorous acid and sulphur dioxide	03	2	2
	b	Explain any one calcium containing antacid	03	2	3
	c	Write a note on Talc as protective agent	03	2	3
	d	Give the Method of preparation, physical properties, chemical properties of sublimed sulphur	03	2	2
	e	Explain the drug acting as Respiratory stimulant	03	2	3
Q.4		Write a short note on following Answer any Two out of Three (3x2)	**06**		
	a	Give the identification tests for cations.	03	4	5
	b	Give the difference between alpha, beta, gamma radiatin.	03	4	4
	c	What are the different preparations of iodine?	03	1	1

Q.5		Discuss the following			
		Answer any Two out of Three (3x2)	**06**		
	a	Write a note on Hydrogen peroxide	03	2	3
	b	What is ORS give its different preparations	03	1	1
	c	Write a note on mechanism of Acidic buffer	03	2	3
Q6.		Long answer questions			
		Answer any Two out of Four (4x2)	**08**		
	a	Explain the construction and working of GM counter	04	2	4
	b	Explain the applications of Radiopharmaceuticals	04	2	4
	c	Explain electrolytes used for replacement therapy	04	2	4
	d	Explain carbon dioxide and Nitrous oxide	04	2	4