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

Year andProgram: FY DPharm	School of Pharmaceutical sciences	Department: Pharmacy
CourseCode: DP102T	CourseTitle: Pharmaceutical Chemistry-I	Part-I
Date: Day:	Examination:Annualpattern	MaxMarks:50 Time:

Instructions:

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

			Marks	Bloom's Level	CO
Q.1		Shortanswerquestion. AnsweranySix outofEight (2 x 6)	**12**		
	a	Give the types of Buffers.	02	1	1
	b	Define and classify Antidote.	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 Acidifying agents, Antacid with two examples each.	02	1	1
	f	Give the official preparations of ferrous sulphate	02	2	3
	g	What are Expectorants and Emetics?	02	2	2
	h	Define Acid and Base according to Arrhenius theory.	02	1	1
Q.2		Explain with suitable diagram, flow chart and Reaction. Answer any Three out of Five (3x3)	**09**		
	a	Explain the drug acting as Respiratory stimulant	03	2	3
	b	Give the method of preparation for Hypophosphorous acid and sulphur dioxide.	03	2	2
	c	Write a note on Hydrochloric acid as acidifying agent.	03	2	3
	d	Give the Method of preparation, physical properties, chemical properties of sublimed sulphur.	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 Nitrogen	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	sulphur Give the method of preparation and uses for Ammonium chloride.	03	2	2
	e	Explain carbon dioxide and Nitrous oxide	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 radiation.	03	3	4
	c	What is ORS give its different preparations.	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	Write a note on Hydrochloric acid as acidifying agent.	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 oxygen as an inhalant.	04	3	4
	b	Explain the applications of Radiopharmaceuticals.	04	3	4
	c	Explain carbon dioxide and Nitrous oxide.	04	3	4
	d	Explain electrolytes used for replacement therapy.	04	3	4