C.U.SHAH UNIVERSITY Summer Examination-2022

Subject Name: Industrial Chemistry-I

	Subject	Code:4SC04IDC1	Branch: B.Sc. (Chemistry)
	Semeste	r: 4 Date: 06/05/2022	Time: 11:00 To 02:00	Marks: 70
	(2) (3)	ons: Use of Programmable calculator & a Instructions written on main answer Draw neat diagrams and figures (if n Assume suitable data if needed.	book are strictly to be obeyed.	ohibited.
Q-1	 a) b) c) d) e) f) g) h) i) j) k) l) 	Attempt the following questions: Define ceramics Draw the chemical structure of ma Which oxides give the black colora True or False: Glass is tough non c Write some refractory materials fo For which color tin oxide is used in Give two examples of natural inset Pure malathion has mg/L Write some nutrients for plants gro A deficiency of causes I Discuss about the pH value of the Write some uses of dinitrophenols	lathion. ation to the glass? crystalline solid substance. r ceramics. n the decoration of ceramics? cticides. water solubility at 20 ⁰ C. owth. eaves to turn white and growth to c soil.	$(14) \\ 01 \\ 01 \\ 01 \\ 01 \\ 01 \\ 01 \\ 01 \\ 0$
Q-2	a) b)	Attempt any four questions from Attempt all questions Explain the production of ammoni diagram. Write in detail about the plants nut	um sulphate from gypsum with pro	(14) cess flow 07 07
Q-3	a) b)	Attempt all questions Describe the production of ammon What is fertilizer? Classify it with	ium nitrate with process flow diagr some examples.	ram. (14) 07 07
Q-4	a) b)	Attempt all questions Discuss about the raw materials fo Explain in detail body preparation	-	(14) 07 07
Q-5		Attempt all questions		(14)

5Attempt all questions(14)a)Explain chemical changes occurring in the furnace with increase in reaction?05



b)	Discuss about the chemical properties of glasses.	05
c)	Discuss about the regenerative pot furnace.	04
	Attempt all questions	(14)
a)	Write a short note on Dichlorodiphenyltrichloroethane.	07
b)	Discuss about the synthesis and uses of Aldrin and Dieldrin.	07
	Attempt all questions	(14)
a)	Write some uses of glasses and ceramics.	05
,	6	05
c)	Write about fertility of the soil.	04
	Attempt all questions	(14)
a)	Write a brief note on Parathion.	07
b)	What is an insecticide? Classify it with few examples.	07
	 c) a) b) a) b) c) a) 	 c) Discuss about the regenerative pot furnace. Attempt all questions a) Write a short note on Dichlorodiphenyltrichloroethane. b) Discuss about the synthesis and uses of Aldrin and Dieldrin. Attempt all questions a) Write some uses of glasses and ceramics. b) Classify the ceramic on the basis of reduction in porosity. c) Write about fertility of the soil. Attempt all questions a) Write a brief note on Parathion.

