C. U. SHAH UNIVERSITY Winter Examination-2022

Subject Name : Analytical Chemistry-I

Subject Code : 4SC03ANC1			Branch: B.Sc. (Chemistry)		
Semeste	r: 3	Date: 24/11/2022	Time: 11:00 To 02:00) Marks: 70	
Instructio (1) (2) (3) (4) (4) (4) (5) (5) (5) (5) (5) (5) (5) (5) (5) (5	ons: Jse of Prog Instructions Draw neat d Assume suit	rammable calculator & an written on main answer be iagrams and figures (if ne able data if needed.	y other electronic instrumen ook are strictly to be obeyed cessary) at right places.	t is prohibited.	
Q-1	Attem	pt the following question	ns:	(14)	
	 a) Define b) Define c) Who g d) What f e) What f f) Give t g) Define h) Define i) What f j) What f k) Define l) Define m) Who i n) Give N 	e stationary phase and mo e development gave apparatus for TLC? is titration? is known as argentometric ypes of titration? e PH. e absorption and emission. is EMF? is standard electrode poter e fluroscence. e radiative and non radiativ nvented adsorption chrom Nernst equation.	bile phase. titration? ntial? ve transition. atography?	$\begin{array}{c} 01\\ 01\\ 01\\ 01\\ 01\\ 01\\ 01\\ 01\\ 01\\ 01\\$	
Attempt	any four q	uestions from Q-2 to Q-8	8.		
Q-2 A B	Attem Discus Write	pt all questions as about column or adsorp a note on ascending paper	tion chromatography. chromatography.	(14) 07 07	
Q-3 A	Attem Give c	pt all questions lassification of chromatos	graphy.	(14) 07	

AGive classification of chromatography.07BDiscuss about types of quenching in flouroscense.07

Q-4	Attempt all questions	(14)
A	Explain thin layer chromatography.	07
В	Explain Jablonski diagram with proper figure.	07



Q-5		Attempt all questions	(14)
-	Α	Discuss construction and working of saturated calomel electrode.	07
В	B	Write in detail factors affecting flouroscense.	
Q-6		Attempt all questions	(14)
-	Α	Explain Redox Titration with proper example.	07
	B	Write a note on methods used in measurements of PH metry.	07
Q-7		Attempt all questions	(14)
C	Α	Draw and explain instrumentation of flouroscense spectroscopy.	07
	B	Discuss Argentometric titration with proper example.	07
Q-8		Attempt all questions	(14)
-	Α	Discuss construction and working of glass electrode.	07
	B	Give application of flourimeter.	07

