	Parvatibai Chowgule College of Arts & Science, Margao Goa.			
		(Higher Secondary Section)		
Class: - XII Science Max Marks:- 2		Max Marks:- 20		
Day: - Thursday		(Subject:-Chemistry)	Date:- 6-8-2015	
Time:		PRACTICE-TEST	Duration: - One Hou	r
Total No of Questions: - 2		Total No Of Printed p	ages: 2	
Q No	INSTRUCTIONS:			Marks
	 (1) Figures to the right-indicate full marks. (2) Use of calculators is not permitted, however mathematical tables will be provided on request. (3) Multiple Choice Questions should be attempted only once. (4)Atomic masses & Constants: K=39,Br=80,S=32,H=1,C=12,N=14,O=16,N_A=6.023×10²³ 			
Q1A	Name the factors that influence the rate of a chemical reaction and Derive an equation for calculating the half life of a first order reaction from rate equation			3
Q 1 B	The half-life for radioactive decay of ¹⁴ C is 5730 years. An archaeological artifact containing wood had only 80% of the ¹⁴ C found in a living tree. Estimate the age of the sample.			2
Q1C	The density of KBr is 2.75gcm ⁻³ . The length of the edge of the unit cell is 654pm, what is the nature of the cubic unit cell of KBr			2
Q 1 D	Explain with the help of diagram the formation of tetrahedral and octahedral voids.			2
Q1E	Complete the following statement by choosing the <i>correct</i> alternative from those given below the statement and rewrite the completed statement: The Mond process is used for the refining of # Nickel # Zirconium # Iron # Zinc			1
Q 2 A	Explain the following with suitable example and chemical equation. a. SN ² Reaction mechanism b. Friedal –Craft acylation reaction. c. Swart's Reaction.			3
Q 2 B	Write chemical equations showing following conversions a. Aniline to chlorobenzene b. 1-chlorobutane to n-octane			2
Q 2 C	Write the principle involved in Zone refining of metals and Draw a neat labeled diagram showing magnetic separation process of purification.			2
Q 2 D	Answer the following. 1. Write two points of difference between Antiseptic and Disinfectant. 2. Write an example and function of non-narcotic Analgesic drug.			2
Q 2 E	given below the sta	ring statement by choosing the <i>correct</i> alte tement and rewrite the completed statem soaps are prepared by dissolving the soap ol # Ethanol # Propanol # Ethyle	ent: in	1