Roll No. of Candidate :							
CH	EMI	STRY	(INTERMEDIA	TE PA	RT-I) 321 - (III)	Paper	- I Group - I
Tim	e: 2	0 Minutes	<b>OBJECTIVE</b>		Code: 6485		Marks: 17
Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questions as given in objective type question paper and leave others blank.							
1.	1 -	18 g glucose is dissolve	ed in 90 g of water	. The rel	ative lowering of	vapour pre	essure is equal to
		(A) $\frac{1}{51}$	(B) $\frac{1}{5}$	(C)	5.1	(D)	6
	2 -	The unit of the rate constant is the same as that of the rate of reaction in  (A) first order reaction (B) second order reaction (C) third order reaction (D) zero order reaction					
	3 -	The crystal system of sul	phur is	(0)	to in limits	(D)	manaalinia
	4 -	by filtration. What are the main ions in the filtrate?					
		(A) $Ag^{+}$ and $NO_{3}^{-}$ only		(B) Ba	and $NO_3$ only		
		(C) $Ag^{+}$ and $Ba^{2+}$ and $NO_{3}^{-}$ (D) $Ba^{2+}$ and $NO_{3}^{-}$ and $C\ell^{-}$					
	5 -	Which of the hydrogen h	nalide has the highest (B) HBr	percent (C)	age of ionic charac HI	cter?	HF
		The value of quantum (A) principal quantum (C) magnetic quantum	number (B)	azimu ) spin q	hal quantum num uantum number		
	7 - Equal masses of methane and oxygen are mixed in an empty container at 25°C. The fraction of						e fraction of
		total pressure exerted by	•	(6)	1	(D)	16
		(A) $\frac{1}{3}$	(B) $\frac{8}{9}$	(C)	$\frac{1}{9}$	. (D)	17
		Number of isotopes of o (A) two	(B) three	(C	) four	(D)	five
	9 -	The type of hybridizat (A) SP	(B) $SP^2$	(C	$SP^3$	(D)	$dSP^2$
	10 -	Stronger the oxidizing a	gent, greater is the	ntial (C)	redox potential	(D)	E.M.F. of cell
	11 -	Law of mass action states that the rate at which the reaction proceeds is directly proportional to					
	10	( )	(B) products	(C)	concentration	(D)	equilibrium
	<ul> <li>12 - A limiting reactant is the one which</li> <li>(A) is taken in lesser quantity in grams as compared to other reactants</li> </ul>						
		(B) is taken in lesser quantity in volume as compared to the other reactants					
	<ul><li>(C) gives the maximum amount of the product which is required</li><li>(D) gives the minimum amount of the product under consideration</li></ul>						
	13 - The comparative rates at which the solutes move in paper chromatography depend on						on
	10	(A) the size of paper (B) $R_f$ values of solutes					
		(C) temperature of the experiment (D) size of the chromatographic tank used					
	14 -	One calorie is equivalent (A) 0.4184 J	it to (B) 4.184 J	(0	(c) 41.84J	(D)	418.4 J
	15 -	Oxygen molecule is hea	vier than hydrogen b	oy `		(D)	32 times
	(A) 1 time (B) 8 times (C) 16 times (D) 32 16 - Acetone and chloroform are soluble in each other due to						JZ times
	16 -	(A) intermoleçular hy		(F	B) ion-dipole inte	raction	
		(C) instantaneous dipo		•	all of these		
	17 -	The nature of the positive	ve rays depends on	,			
		(A) the nature of elect	trode (B	) the na	ture of the discha	irge tube	
	(C) the nature of the residual gas (D) all of these						