SECOND MID TERM TEST - 2024

11 Std. Time : 1.30 Hrs	Chemistry	Reg No.	7 1 1 1 2 1 Total Marks : 35
Annua - 11 11 -	Part A		
Answer all the questions:			10 x 1 = 10
a) Lilac b) Crims	flour in flame test is shown by Potassium	salt?	
2. Formula of Plaster of Par	on Red c) apple green d) yello	W	
a) 3CaSO, H-O b) C	15	F 24 14 120	
3. Assertion : Reso, is sol	aSO_4H_2O c) $2CaSO_42H_2O$ d) $CaSO_4$ uble in water while $BaSO_4$ is not.)4½H2O	
Reason : Hydration e almost const	energy decreases down the group from	Be to Ba and	lattice energy remains
a) Both assertion and re-	ason are true and reason is the correct e	explanation of a	section
of pour assertion and te	ason are true but reason is not the corre	ot avalanation a	f assertion
e) resolution is true but it	eason is falsey both assertion and reason	n are false.	1 0330111011.
4. The normality of 1.25M H	230415		
a) 1.25N b) 3.75N	c) 2.25N d) 2.5N		
a. Which one of the following	g binary liquid mixtures exhibits positive	deviation from F	Raoults law? -
a) Acetorie + chiorotorm	D) water + nitric acid c) HCl + water	d) ethano	ol + water
which one of the following	g has highest hydration energy?		
a) MgCl ₂ b) Co			
The least stable conforme			
B) Staggered b) Gauche	e c) Eclipsed d) Fully eclip	sed	
	aliphatic saturated hydrocarbon?		
a) C _B H ₁₈ b) C ₉ H			
a)0 b) 1	r a dilute aqueous solution of the strong	electrolyte barit	ım hydroxide is
a)0 b) 1 0. 2 – butyne on chlorinatio	c) 2 d) 3		
1 - chlorobutane b) 1 3	dishlarahutana a) 1 1 2 2 toto-ti		
etrachlorobutane	2 - dichlorobutane c) 1,1,2,2 - tetrachlo	robutane d) 2,2	2,3,3 -
nswer any three of the fol	Part B llowing, Q,No. 15 is compulsory		The second
1 Give any two similarities	between lithium and magnesium.		3 x 2 = 6
2. Define term isotonic solut	tion. 13. What is molal depr		
4. Write the reaction of acet	viene with ozone	ession constan	17
5. Give the systematic name	es for the following. i) milk of magnesia	ii) washir	o codo
	Part C	II) Wasiiii	iy soua
nswer any three of the fol	lowing: Q.No. 20 is compulsory		3 x 3 = 9
Give reasons for the anor	malous behaviour of beryllium.		323-3
7. What are the limitations o		we have been a second	2002
How does Huckel rule hel	following compounds from benzene? i) r	nitrobenzene	i) BHC
Calculate the molality of	p to decide the aromatic character of a character o	compound?	N -0
water.	a solution containing 7.5 g of glycine	(NH2CH2COOH) dissolved in 500g of
Trace.	Part D		
swer all the questions.			2 x 5 = 10
	de is much more water soluble than sodi	um chloride?	222-10
ii) Give the uses of Gypsi	um. OR		
	lobtain expression for lowering of vapou	ur pressure whe	en nonvolatile solute is
A.i) Write Wurtz reaction.			
ii)Write the chemical eq	quation for each of the reaction involve	d in solvay pro	cess of preparation of

ii) State and explain Markovnikoff's rule with suitable example. SSM-11-CHEM EM - SINGLE

OR

B.i) Suggest a simple chemical test to distinguish propane and propene.

sodium carbonate.