13. What are the Colligative properties?

SECOND MID TERM EXAMINATION - 2024

CLASS: 11	0.000			1014 - 2024	
Time : 1.30 Hours	CHEMISTRY		Reg.No.	contraction and the second	
			Maximum	Marks: 50	
Choose the se	P	ART - A			
oncose the corre				10x1 =10	
Lithium shows diago	onal relationship with	regiski Hornespen g	ภาพาศการการทำสนาธิ	2. 7	
a) Sodium	b) Magnesium	c) Calcium	d) Aluminium		
The product obtaine	ed as a result of a reaction	n of nitrogen with CaC	is	10 10 10 10	
a) Ca(CN) ₃	b) CaN ₂	c) Ca(CN) ₂	d) Ca ₃ N ₂		
Formula of Gypsum	ı is			The second of	
a) CaSO ₄ .2H ₂ O	b) CaSO ₄ .1/2H ₂ O	c) 3CaSO ₄ .H ₂ O	d) 2CaSO ₄ .2H ₂	0	
4. Osmotic pressure (7) of a soultion is given	by the relation			
a) $\pi = nRT$	b) π V=nRT	c) πRT=n	d) None of thes	se .	
5. The Molality of a solu	ition containing 1.8g of g	lucose dissolved in 25	0g of water is		
a) 0.2M	b) 0.01M	c) 0.02M	d) 0.04M	Amegine	
6. The Van't Hoff factor	(i) for a dilute aqueous s	olution of the strong e	lectrolyte barium h	vdroxide is	
a) 0	b) 1 c) 2	d) 3	- ARTONIANI	s arrivation	
7. The name of C ₂ F ₄ Cl ₂	is			in with a	
a) Freon - 112		c) Freon - 114	d) Freon - 115		
8 is used in the	manufacture of pesticid				
a) Chloropicrin	b) Toluene	c) Benzene	d) Chloro benz	ene	
9. General formula for cy	clo alkane is		the knylled lates		
a) C _n H _n	b) C _n H _{2n}	c) C _n H _{2n-2}	d) C _n H _{2n+2}		
10. Which of the following	is aliphatic saturated hy				
a) C ₈ H ₁₈		c) C ₈ H ₁₄			
	PAR	Т-В			
Any any 5 of the follow	owing questions on	y. (Q.No.17 is con	npulsory)	5x2=10	
1. Write the reason for an				bod is	
12. Why Alkaline earth met	als are harder than alka	ali metals?		Call 15 EF (d	

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14. Write shote notes on Van't Hoff factor (i). 15. Define Osmosis. 16. Write the preparation of BHC. Peroxide ? 17. CH₃-CH=CH₂+ HBr PART - C Ш Any any 5 of the following questions. Answer Q.No:24 is compulsory. 5x3 = 1518. How is plaster of paris prepared? Write their uses. 19. Write the biological importance of Calcium and Magnesium. 20. State Henry's law? Write their limitations. Discuss the Similarities between Beryllium and Aluminium. 22. Define: 1. Molality 2. Nomality. 23. What is Aromaticity? 24. Calculate molality of the solution containing 45g of glucose dissolved in 2kg of water. PART - D Answer all questions: 3 x 5 = 15 (3)25. a) How will you determine the molar mass from Osmatic Pressure. (2)b) What is Isotonic Solution? [OR] a) State Raoult Law and obtain expression for lowering of vapour pressure when non volatile (5) solute is dissolved in solvent. 26. a) Give the Systamatic names of the following. c) Caustic potash b) Milk of magnesia a) Soda ash (3)b) Write the use of Gypsum [OR] a) Explain Markow nikoff's rule with example. (3)b) Write the difference between propane and propene. (2)27. a) Compare SN1 and SN2 reaction Mechanisms. (5)[OR] a) Write the chemical equations for the reactions involved in Solvay process of preparation of Sodium Carbonte. b) Beryllium halides are Covalent, - where as magnesium halides are ionic.why? 11th - Chemistry- Page -2

Kindly Send Me Your Key Answer to Our email id - Padasalai.net@gmail.com

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