Paper Code Class 9th Roll No. of the CHEMISTRY (Fresh) Student ① Time: 20 Minutes Marks: 12 **②** Multiple Choice Questions Serial No. Of the Answer Book 01 Mark for each SECTION-A Note: 1) Attempting all MCQs is compulsory. This paper along with the OMR sheet must be returned to the superintendent after due time. 2) Fill the circle (© () () (), which one is correct with blue or black ball point, in this sheet as well as in separate OMR Sheet like

3) If more than one circle in the OMR sheet is filled then no credit will be given to such answer. 1. Which one of the following is weak Electrolyte © CH₁COOH HCl
(NaOH ⑷ . NaCl 2. Water droplets in air is an example of solution of <u>solution</u> Gas in liquid Liquid in gas Liquid in liquid The structure of BCl₃ is _____. 3. Pyramidal , 🔘 Triangular Tatrahedral **(A)** linear Modern periodic table is based on the 4. ① Law of triads Atomic number One mole of Sodium is equl to _____ of Na. 5. 23 gm (A) 8 gm (b) 16 gm The maximum number of electron in the third energy level is 6. **(A)** The oxidation number of Cl₂ is 7. 1 © -1 **(B) (** 0 Potassium is an element of group 8. IV The increace in temperature of the gases decreases the 9. ® Forces of attraction Kinetic Energy Volume Pressure The alchemists tried to convert base metals into 10. ● Iron Mercurry © Coper Gold An Element has 8 electron in its valence shell it is 11. • Inert gas O Coinage metals 1 Halogen An alkale Which kind of bond exist in HCl? © Coordinate Convalent Polar covalent **©** Covalent Ionic

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Note: Time allowed for section B and C is 2 hours and 40 minutes.

SECTION	*13"	•
1.7. ()		

Marks: 32

11.	Attempt any EIGHT Parts out of the following. Each Part carries equal marks.		
	i. How many moles of H ₂ O are present in 36 gm of H ₂ O?	· ·	
	ii. Define isotopes; Draw the structure of earbon isotopes.	. \ 	
	iii. What do you mean by the term Electronic configuration?		
,	iv. Write brief note on the Atomic Size.		
v	v. Write note on the Coordinate Covalent bond with example.		
	vi. A 530 dm ³ sample of hydrogen gas was collected in a container of 800 mm of Hg		
	pressure, at room temperature. What volume will the gas occupy at 400 mm of Hg?	•	
	vii. What is percentage composition?		
	viii. Write note on the Electrolytic cell.		
	ix. Define oxidation state.		
	x. Describe the characteristic of metals.		
	xi. Write the chemical reaction of Mg with	•	
	(i) 11 ₂ (ii) 11 ₂ O	ý	
,	SECTION "C" Marks	: 21	
Notes A	attempt any THREE questions of the following. Each question carries equal Marks.		
lil.	(a) Write note on the "Mole" and "Avogadro's Numbers".	4	
111.	(b) Define Energy level and Energy sub-level.	3	
IV.	(a) What is Shielding Effect? How it affect the ionization potential in periodic table.	3	
	(b) Define boiling point. How does it depend on the nature of liquid?	4	
	(a) Write the properties of covalent compounds.	4	
. V.	(b) Write the factor affecting solubility.	3	
		3	
VI.	(b) Write down chemical properties of Halogens.	4	
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