Inter (Part-I) 2021		
Chemistry	Group-l	PAPER: I
Time: 20 Minutes	(OBJECTIVE TYPE) Marks: 17
the answer-book result in zero m 1-1- According to molecule is:	answers A, B, C and I choice which you think of that question with Mark Cutting or filling two nark in that question. VSEPR theory, the	c is correct, fill that arker or Pen ink in or more circles will shape of PH
(c) Linear	ramidal ✓ (b) Tetrago (d) Trigona reezes at 0°C, its densi	l planar
(a) Cubic struction (b) Empty spatial (c) Change of (d) Change of to aqueous bases	cture of ice ces present in structure of bond lengths bond angles silver nitrate in aqueo	of ice ✓ us form is added
(a) Ag ⁺ and No	hat are main ions in the O_3^- only (b) Ag^+ and IO_3^- only (d) Ba^{2+} and	filtrate? Ba ²⁺ and NO₂-✓
4- 1 gram formul (a) 58.5 g ✓ (c) 35.5 g	la of NaC! is equal to: (b) 23 g (d) 12 g	
reaction in: (a) First order	reaction (b) Second	order reaction
6- Balmer serie region: (a) Ultraviolet (c) Infrared	reaction (d) Third ords in hydrogen spect (b) Visible (d) Microwa	rum lies in the

7-	If absolute temperature of a gas is doubled and the		
	pressure is reduced to one-half, the volume of the		
	gas will:		
	(a) Remain unchanged (b) Increase four times ✓		
	(c) Reduce to $\frac{1}{4}$ (d) Be doubled		
8-	Many elements have fractional atomic masses, this is		
	because:		
	(a) The mass of an atom is itself fractional		
	(b) Atomic masses are average masses of isobars		
1	(c) Atomic masses are average masses of isotopes		
-	(d) Atomic masses are average masses of isotopes		
•	proportional to their relative abundance		
9-	In endothermic reactions, the heat content of the:		
	(a) Products is more than that of reactants ✓		
	(b) Reactants is more than that of products		
	(c) Surrounding increases		
	(d) Reactants and products are equal		
10-			
-	read up to:		
	(a) 0.1 K (b) 0.01 F		
	(c) 0.01 K (d) 0.01°C		
11-	Which of the following species has unpaired		
	electrons in antibonding molecular orbitals?		
	(a) O_2^{2+} B (b) N_2^{2-}		
L.	(c) B (d) F ₂		
12-	Density of an ideal gas can be calculated by the		
12-	formula:		
	$\sim 1 - \frac{PM}{c}$		
	(c) $d = \frac{m}{M}RT$ (d) $d = \frac{PV}{M}$		
12	If a salt bridge is not used between two-half cells,		
13-	then the voltage'		
	(a) Decreases rapidly (b) Decreases slowly		
	(a) Deec not change (d) Diops to Zero		
14-	Orbitals having same energy are called:		
1-7-	(a) Unbrid orbitals , (D) Valence orbitals		
	(a) Hybrid orbitals (c) Degenerate orbitals ✓ (d) d-orbitals		
	(0)		

15- Which of the following compounds do not show process of sublimitation?

(a) Ammonium chloride

(b) lodine

(c) Naphthalene

(d) Carbon tetra chloride ✓

16- In the monoclinic crystal system, bond axes are:

(a) a = b = c

(b) $a = b \neq c$

(c) $a \neq b = c$

(d) a ≠ b ≠ c ✓

17- The pH of mixture of CH₃COONa and CH₃COOH is:

(a) 7 .

(b) > 7

(c) < 7 ✓.

(d) 1

