Roll No._____ to be fil

____ to be filled in by the candidate

(For All Sessions)

Group - II

Paper Code 6 4 8 6

Chemistry (Objective Type)

Time	:20 N	Ainutes						Marks:17	
NOTE	• Writ	e answers to the questions on er you consider correct, fill the	objecti	ive answer sheet provided. sponding circle A, B, C or I	Four pos O given i	ssible answers A, B, Co in front of each questio	& D to each n with mar	question are given. ker or pen ink on the	
answer	r sheet	provided.							
1.1.	A filt	A filtration process could be very time consuming if were not aided by				entle suction which is developed. If the paper has got small sized pores in it If the paper fits tightly			
	(A) If the paper covers the funnel up to its circumference			(B)					
	(C)	(C) If the stem of the funnel is large so that it dips into the filtrate							
2.	When	6d orbital is complete, the en	tering	electron goes into.					
	(A)	7s	(B)	7p	(C)	7f	(D)	7d	
3.		h one of the following hydroca			igth?				
٥.		Ethyne		Ethene	(C)	Ethane	(D)	Benzene	
4.	NH ₂	NH ₃ shows a maximum boiling point among the hydrides of Vth group				nts due to:			
		(A) Enhanced electronegative character of nitrogen				Pyramidal structure of NH ₃			
		C) Lone – pairs of electrons present on nitrogen			(D) (B)	Very small size of nitrogen			
-	2 in 11.11 1.11 1.11 and health are helf the volume of the								
5.	(p) p. 1 14 1/								
	(A)	Remains unchanged				, ,			
	(C)	Increases four times			(D)	Be doubled			
6.		ing of spectral lines when ator	ns are	subjected to strong magnet					
		Zeeman effect			(B)	Stark effect			
	(C)	Photoelectric effect		****** 0.1 0.1	(D)	Compton effect	:40		
7.	Gases deviate from ideal behaviour at high pressure. Which of the following is correct for non-ideality? (A) At high pressure, the gas molecules move in one direction (B) At high pressure, the intermolecular attractions								
	(A)	At high pressure, the gas mol	ecules	move in one direction	(B)		ntermotect	nar attractions	
		only	_		(D)	becomes significant	l	no mag hagamag	
	(C)	At high pressure, the collisio	ns bety	ween the gas molecules are	(D)	At high pressure, the	volume of the	ne gas becomes	
		much increased				insignificant			
8.	Dino	le – dipole forces are present a	mong	the.					
0.	, ,	-			(B)	Molecules of CCl ₄			
		Atoms of helium gas			(D)	Molecules of HCl			
		more dates of some 12							
9.							1 d		
	(A)	Reduction occurs at cathode			(B)	Anode is negatively c			
	(C)	Cathode is positively charge	d		(D)	Reduction occurs at a	node		
10.	Oxi	dation of nitric oxide with ozo	ne has	been shown to be:					
	(A)	First order reaction			(B)	Pseudo first order rea	ction		
	(C)	Second order reaction			(D)	Third order reaction			
11.	A sol	A solution of glucose is 10% W/v. The volume in which 1g mole of it is dissolved will be:							
		900Cm ³			(B)	200Cm ³			
	(C) $1.8 dm^3$ (D) $1 dm^3$								
12.	(-)								
		Addition of BiCl ₃			(B)	Addition of H ₂ O	111.0		
		Addition of HCl			(D)	Addition of both BiC	I_3 and H_2O		
13.	22g	of CO ₂ sample has:							
	(1)	1			(B)	1 mole of O atoms			
	(A)	$\frac{1}{2}$ mole of O atoms			(D)	1 mole of O atoms			
	(C)	1.5 moles of O atoms			(D)	6.02x10 ²³ molecules	of CO_2		
14.	Which one of the following maybe employed as drying agent in a desic								
		$P_2 O_5$	- 1	, , , , ,	(B)	Animal charcoal			
					(D)	NH ₄ Cl			
	(C)	KMnO ₄		C.	(D)	MIACI			
15.	In endothermic reactions, the heat contents of:					Donatanta is mana tha	n that of	oducts	
	(A) Products is more than that of reactants				(B)	Reactants is more than that of products Reactants and products are equal			
	(C)	Both (A) and (B)	. ~ -	D.'.	(D)	Reactants and produc	is are equal		
16.		volume occupied by 16g of O ₂	at S.T	.P 1S :	(-)	22413			
		22.4 dm ³			(B)	2.24 dm ³			
		11.2 dm^3			(D)	1.12 dm ³			
17.									
	(A)	Trigonal pyramidal	(B)	Bent or angular	(C)	Triangular planer	(D)	Tetrahedral	