Inter (Part-I) 2017

hemistry ime: 20 Minutes		Group-II			PAPER: I Marks: 17		
		(OBJECTIVE TYPE)					
Vote	are given. The circle in front of	choice whof that questock. Cutting	ich y stion or fill	ou think is with Marke ing two or	each question correct, fill that er or Pen ink in more circles will		
1-1-	Equal masses	of metha	ne a	nd oxyge	n are mixed in		
*	empty conta	iner at 2	5°C.	The fra	ction of total		
	pressure exer	ted by oxy		_			
	(a) $\frac{1}{3} $		(b)	<u>8</u>			
•	(c) $\frac{1}{9}$		(d)	16			
2-	Sum of pK _a a	nd pK _b is e		17	1.0		
	(a) 7		(b)				
	(c) 11		(d)	14 1			
3-	In order to	mention th	he b	oiling poi	nt of water at		
	110°C, the ex	ternal pres	sure	should be	:		
	(a) Between 7 (b) 765 torr	60 torr and	1200	torr 1			
	(c) Between 200 torr and 760 torr						
	(d) 100 torr						
4-	Which of the following has linear structure:						
	(a) CO ₂ √		(b)	NH ₃			
	(c) CH ₄		(d)	H ₂ O			
5-	The largest n	umber of n	noled	ules are p	resent in:		
*	(a) 3.6 g of H			4.8 g of C			
	(c) 2.8 g of C			5.4 g of N			
6-	Splitting of spectral lines when atoms are subjected to electric field, called:						
	(a) Zeeman e (c) Photoelec	effect		Stark effection			

7-	If rate equation of reaction 2A + B → product is, rate				
	k[A] ² [B], and A is present in large excess then ord				
	of reaction is:				
	(a) 1 \(\sigma\) (b) 2				
0	(c) 3 (d) 4				
8-	The units of K_c for reaction $N_2 + O_2 \rightleftharpoons 2NO w$				
	be:				
	(a) moles $/ dm^3$ (b) mole ⁻¹ $/ dm^3$				
	(c) $mole^{-2} dm^{+6}$ (d) No unit $\sqrt{}$				
9-	The voltage of Nickel Cadmium Cell is:				
	(a) 1 V (b) 1.2 V				
	(c) 1.4 V √ (d) 1.6 V				
10-	One mole of SO ₂ contains:				
	(a) 6.02×10^{23} atoms of oxygen.				
	(b) 18.1×10^{23} molecules of SO_2 .				
	(c) 6.02×10^{23} atoms of sulphur. $\sqrt{}$				
	(d) 4.8×10^{23} atoms of sulphur.				
11-	Bohr's model is contradicted by:				
, May	(a) Planck's theory				
	(b) Pauli's exclusion principle				
	(c) Heisenberg uncertainty principle √				
	(d) Hund's rule				
12-	Relative lowering of vapour pressure is equal to:				
, ,	(a) Mole fraction of solute 1				
	(b) Mole fraction of solvent				
	(c) Molarity				
	(d) Molality				
13-					
	(a) BeCl ₂ (b) BF ₃ 1/				
	(c) CH ₄ (d) NH ₃				
14-	For the reaction NaOH + HCl → NaCl + H2O, t				
	change in enthalpy is called:				
	(a) Heat of reaction				
	(b) Heat of formation				
1	(c) Heat of neutralization 1				
	(d) Heat of combustion				
	, ,				

15-	The partial pressure of oxygen in lungs is:						
	(a) 159 torr (b) 116 torr 1/						
	(c) 100 torr (d) 90 torr						
16-	Which of the following is pseudo solid:						
	(a) CaF ₂ (b) Glass √						
	(c) NaCl - (d) KNO ₃						
17-	controlled by:						
	(a) Law of mass action (b) Amount of solute used						

