

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Question Image	A. Favour the formation of N ₂ O ₄ B. Favour the decomposition of N ₂ O ₄ C. Not alter the equilibrium D. Stop the reaction
2	N_2 + O_2 \rightleftharpoons 2NO The unit of K_c for tis reaction will be:	A. <o:p></o:p> class="MsoNormal">No unit <o:p></o:p> B. <o:p></o:p> B. <o:p></o:p> Elass="MsoNormal"> <o:p></o:p> Sp class="MsoNormal"> <o:p></o:p> Iine-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">mol ^{C C. <o:p></o:p> C. <o:p></o:p> C. <o:p></o:p> Initial; background-elip: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-dlip: initial; background-origin: initial; background-origin: initial; background-spand-origin: initial; background-spand-origin: initial; background-spand-origin: initial; background-origin: initial; background-origin: initial; background-origin: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial; background-origin: initial; background-clip: initial; background-origin: initial; background-clip: initial; background-origin: initial; background-clip: initial; background-origin: initial; b}
3	If the rate equation of a reaction 2A+B>Products is , Rate = K[A] [B], and A is present in large excess, then order of reaction is :	A. 1 B. 2 C. 3 D. Above
4	Which of the following is complex?	A. CaSO ₄ . 0.5H ₂ O B. (C ₆ H ₁₀ O ₅) _n C. C ₆ H ₁₂ O ₆ D. CH ₄
5	$50~\text{mL}$ of $10~\text{N}\text{H}_2\text{SO}_4$. 25mL of $12~\text{N}\text{Hcl}$ and $40~\text{mL}$ of $5\text{N}\text{HNO}_3\text{are}$ mixed and the volume of the mixture is made $100~\text{mL}$ by adding water. The normality of resulting will be	A. 1 N B. 2 N C. 3 N D. 9 N
6	Series starting from57La,42Hf -80Hg is in the period:	A. 4th B. 5th C. 6th D. 7th
7	The order of reactivity of halogen acids for reaction with C_2H_5OH is	A. HCl > HBr > HI B. Hl > HBr > HCl C. HBr > HI > HCl D. HBr > HCl > HI
8	Question Image	A. Moles per dm ³ B. Partial pressures C. Number of moles D. Mole fractions
9	I a chemical reaction equilibrium is said to have been established when :	A. Rate of opposing reactions are equal. B. Rate constants of opposing reactions are equal. C. Opposing reactions stop. D. Concentration of reactants and products are

		equal
10	Fluorine molecule is formed by	A. The axial p-p overlap B. The sidewise p-p overlap C. The axial s-p overlap D. The overlap of two sp ² hybrid orbitals
11	HNO ₂ acts as an/a	A. Acid B. Oxidizing agent C. Reducing agent D. All the three
12	Which one is primary alcohol?	A. Buten-2-ol B. Propan-2-ol C. Butaon-1-ol D. 2,3-Dimethylhexane-4-ol
13	Activation energy is the difference of energy between the energy of the reactant and	A. The product B. The activated complex C. Both a and b D. None of these
14	Ascorbic acid is a chemical name of	A. Vitamin D B. Vitamin A C. Vitamin C D. Vitamin B ₆
15	Which element among the following belongs to Group IV-A of the periodic table?	A. Barium B. lodine C. Lead D. Oxygen
16	Vinegar is dilute solution of:	A. Acitic acid B. Formic acid C. Butyric acid D. Propionic acid
17	Metallic conduction is also called as :	A. lonic conduction. B. Protonic conduction. C. Electronic conduction D. Super conduction
18	Alkyle halides can be prepared by treating halogen acids with	A. Ethane B. Ethanol C. Ethene and ethanol D. Aldehyde
19	Question Image	A. A strong reducing agent B. A strong oxidising agent C. Better oxidising agent than hydrogen D. Less reducing agent than hydrogen
20	Easter are pleasant smelling compounds. Which ester posseses odour like pineapple	A. Amylacetate B. Amylbutyrate C. Ethylbutyrate D. Benzylacetate