

ECAT Chemistry Online Test

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Sr	Questions	Answers Choice
1	The only alcohol that can be prepared by the indirect hydration of alkene is	A. ethyl alcohol B. propyl alcohol C. isobutyl alcohol D. methyl alcohol
2	Sulphuric acid has great affinity for water because	A. It hydrolyses the acid B. It decomposes the acid C. Acid forms hydrates with water D. Acid decomposes water
3	Chloroflurocarbon releases a chemical harmful to ozone	A. Fluorine B. Chlorine C. Nitrogen peroxide D. Sulphure dioxdie
4	An electrophile may be	A. Positive B. Negative C. Neutral D. Both c and a
5	In a group of periodic table, atomic radii is:	A. Remains some. B. Increases. C. First decreases then increases. D. Decreases.
6	The characteristic reactions of alkanes are	A. Addition reactions B. Substitution reactions C. Condensation reactions D. Polymerization reactions
7	A smuggler could not carry gold by chemically depositing iron on the gold surface since	A. Gold is denser B. Iron rusts C. Gold has higher reduction potential then iron D. Gold has lower reduction potential then iron
8	Which one of the following statement is wrong regarding differences between aldehydes and ketones	A. Aldehydes undergo reduction to form primary alcohols while ketones undergo reduction to form secondary alcohols B. Aldehydes undergo oxidation to form acids having less number of carbon atoms while ketones undergo oxidation to form acids having same number of carbon atoms C. Aldehydes give positive silver mirror test while ketones give negative -mirror test D. Aldehydes can undergo polymerization while ketones cannot undergo polymerizarion
9	Which of the following molecules have its central atom sp ² hybridized	A. CH ₄ B. C ₂ H ₂ C. C ₂ H ₄ D. CCl ₄
10	Electron affinity depends on	A. Atomic size B. Nuclear charge C. Atomic number D. Atomic size and nuclear charge both
11	Most hazardous metal pollutant of automobile exhaust is	A. Mercury B. Lead C. Cadmium D. Copper
12	S _N 1 reaction of alkylhalides leads to	A. Retention of configuration B. Recemisation C. Inversion of configuration D. None of these
		A. Polyacetylene

13	When acetylene is passed through a copper tube at 300°C, it polymerizes to	B. polyethylene C. Benzene D. None of these
14	Reation of which with Grignard's reagent gives primary alcohol:	A. Formaldehyde B. Aldehyde C. Ketones D. Acetone
15	In the particular reaction for the value ${\rm K_{C1x}10^{-25}}$ which statement is correct :	A. Almost forward reaction is completed. B. Amount of reactant is negligible as compared to product. C. Amount of product is negligible as compared to reactant. D. Amount of product is equal to amount of reactant.
16	Question Image	A. Favour the formation of N ₂ O ₄ B. Favour the decomposition of N ₂ C. Not alter the equilibrium D. Stop the reaction
17	The osmotic pressure of 1 m solution at 27°C is	A. 2.46 atm B. 24.6 atm C. 1.21 atm D. 12.1 atm
18	$2SO_2 + O_2 \rightleftharpoons 2SO_2$ H= 188KJ mole ⁻¹ Which statement about following equilibrium is correct:	A. The value of K_pfalls with arise in temperature. B. The value of K_pis equal to K_{c.} C. The value of K_pfalls with the increase pressure. D. Adding V ₂ catalyst increase the equilibrium yield of Sulphur trioxide. <pc color:="" p="" p<<=""></pc>
19	Two or more similar monomers combine to form:	A. Homopolymer B. Copolymer C. Ter polymer D. Thermoplastic polymers
20	Rate law of an equation is obtained :	A. From a balance equation. B. Can be calculated theoretically as well as determined experimentally. C. It is only calculated theoretically. D. Experimentally.