

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	The number of isotopes of gold is	A. 3 B. 1 C. 2 D. 4
2	The shape of gaseous SnCl ₂ is	A. Tetrahedral B. Linear C. Angular D. T-shaped
3	SO ₂ Makes acid rains	A. Carbonic acid B. Sulfuric C. Nitric acid D. All of these
4	K,Ca and Li metals may be arranged in decreasing order of their reduction potential as :	A. Li, k, Ca B. Ca, K, Li C. Li, Ca, K D. K, Ca, Li
5	Acyl halide is formed by reacting PCI5with	A. Alcohol B. Ester C. Amide D. Both carboxylic acids as well as esters
6	If 18 g glucose ($C_6H_{12}C_6$) is present in 1000 g of an aqueous of glucose it is said to be	A. 1 molal B. 1.1 molal C. 0.5 molal D. 0.1 molal
7	Which of the following does not react with phenyl hydrazine?	A. Ethanol B. Ethanal C. Acetone D. Acetophenone
8	Question Image	A. Rate is independent of concentration of water since it is in excess B. Rate is independent of concentration of ester since it is in exces C. Rate depends upon the concentration of acid catalyst added D. Rate = k[CH ₃ COOC ₂ H ₅] ^{1/2} [H ₂ O] ^{1/2}
9	Which of the following groups will increase the acidity of phenol?	ANO ₂ BCN CX (halogens) D. All
10	Grignard's reagent on treatment with dry CO ₂ and HCl yields	A. Ester B. Alcohol C. Carboxylic acid D. Aldehyde
11	When fused PbBr2is electrolyzed	A. Bromine appears at he cathode B. Lead is deposited at the cathode C. Lead appears at the anode D. None of these happens
12	Calcium carbide reacts with water to produce	A. Acetylene B. Methane C. Ethylene D. Ethane
13	A set of compounds in which reactivity of halogen atom in the ascending order is	A. Chlorobenzene, vinyl chloride, chloroethane B. Chloroethane, chlorobenzene, vinyl chloride C. Vinyl chloride, chlorobenzene chloroethane D. Vinyl chloride, chloroethane, chlorobenzene
14	The colour of the transition metal compounds is due to	A. p-d transition B. d-d transition C. s-p transition D. None of these

15	Drained sewage has B.O.D	A. More than that of water B. Less than that of water C. Equal to that of water D. None of the above
16	When formaldehyde is added to Grignard reagent we get	A. Aldehyde B. Acetone C. Primary alcohol D. Secondary alcohol
17	The electronegativity of elements in a period from left to right	A. Decreases B. Increases C. First decreases then increases D. First increases then decreases
18	Weakest acid among the followings is	A. Acetic acid B. Phenol C. Water D. Acetylene
19	When ethylene glycol is heated with acidified potassium permanganate, the main organic compound obtained is	A. Oxalic acid B. Glyoxal C. Formic acid D. Ethanol
20	Estimation of Na in sea water is an example of :	A. Numerical analysis. B. Qualitative analysis. C. Quantitative analysis. D. None of above.