

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Alkynes are colourless & odouless except	A. Acetylene B. Propyne C. Butyne D. Pentyne
2	Size of an anion is increased as compared to its atom because of the	A. Addition of new shell B. Repulsion of electrons in the valence shell C. Decrease in nuclear charge D. Increase in the unclear charge
3	E ₁ mechanism is generally shown by	A. 1° - RX B. 2° - RX C. 3° - RX D. None of these
4	Acetone reacts with HCN to form a cyanohydrin. It is an example of	A. Electrophilic addition B. Electrophilic substitution C. Nucleophilic addition D. Nucleophilic substitution
5	Which of the following has polar bond	A. O ₂ B. N ₂ C. HCI D. Cl ₂
6	e/m of cathode rays is same but for positive rays e/m changes by changing gas in the discharge tube because	A. Cathode rays are small sized particles B. Cathode rays have same charge C. Nature of cathode rays same for all gasses, but masses of nuclei are different for different gases D. Temperature of cathode rays higher
7	High purity copper metal is obtained by	A. Carbon reductionB. Hydrogen reductionC. Electrolytic reductionD. Thermite reduction
8	During the preparation of alkynes the active metals that react with tetra halo-alkanes are	A. Zn B. Mg C. Both a and b D. None
9	Which of the following sulphates is not soluble in water	A. Sodium sulphate B. Potassium sulphate C. Zinc sulphate D. Barium sulphate
10	Question Image	A. Forward reaction is favoured B. Backward reaction is favoured C. No effect D. None of the above
11	Acetone is prepared by	A. Oxidation of n-propyl alcohol B. Oxidation of acetaldehyde C. Pyrolysis of calcium acetate D. Pyrolysis of calcium acetate as well as acetic acid
12	With the increase in carbon no. the solubility of carboxylic acids	A. Increases B. Decreases C. Remains same D. None of these
13	When a compound X is passed through a dilute alkaline solution of KMnO ₄ the pink colour of solution is discharged. The compound X is possbibly	A. Methane B. Ethane C. Ethene D. Benzene
14	Aldehvdes can be distinguished from ketones by using	A. Schiff's reagent B. Conc. H _{SO₄}

		C. Anhy. ZnCl ₂ D. Resorcinol
15	During electrolysis of KNO ₃ , H ₂ is evolved	A. Anode B. Cathode C. Both a and b D. None
16	Hydrocarbons are organic compounds which contain elements such as	A. Hydrogen B. Carbon C. Hydrogen and carbon D. Halogens
17	To purify water which has mud dissolved in it, A substance which coagulates the suspended particles is used. The coagulant may be	A. Ag ⁺ B. Cu ²⁺ C. Al ³⁺ D. Si ⁴⁺
18	Pauli's principle is applicable to	A. Degenerate orbits B. Two electrons in the same orbital C. One electron D. None
19	In Millikan method for determination of charge on electron the air in the chamber is ionized by	A. Protons B. Electric field C. X-rays D. a - particles
20	Which of the following method is most appropriate for the manufacture of methane?	A. By reduction of CH2CL2 B. Wurtz reaction C. Liquification of natural gas D. None of these