

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Each of the following is true of white and red phosphours except that they	<p>A. Are both soluble in CS_2</p> <p>B. Can be oxidized by heating in air</p> <p>C. Consist of the same kind of atoms</p> <p>D. Can be converted into one another</p>
2	Given below are some statements concerning formic acid, which of them is true?	<p>A. It is a weaker acid than acetic acid</p> <p>B. It is a reducing agent</p> <p>C. When its calcium salt is heated, it forms a ketone</p> <p>D. It is an oxidizing agent</p>
3	Which of the following reagent will react with both aldehyde and ketones?	<p>A. Grinard's reagent</p> <p>B. Tollen's reagent</p> <p>C. Fehling's reagent</p> <p>D. Benedict's reagent</p>
4	Poly hydroxyl compounds of aldehyde ketones are:	<p>A. Carbohydrates</p> <p>B. Protiens</p> <p>C. Fats</p> <p>D. Lipids</p>
5	In which type of following solutions we don't know the total volume of the solutions :	<p>A. Percentage weight/weight</p> <p>B. Percentage weight/volume</p> <p>C. Percentage volume/volume</p> <p>D. Percentage volume/weight</p>
6	The rate of reaction :	<p>A. Decreases as the reaction proceeds</p> <p>B. Increases as the reaction proceeds</p> <p>C. May decrease or increase reaction proceeds</p> <p>D. Remains same as the reaction proceeds</p>
7	When the electron jumps form third, fourth, fifth orbits to the second orbit, the transitions are known as	<p>A. Paschen</p> <p>B. Pfund</p> <p>C. Balmer</p> <p>D. Brackett</p>
8	A cell constant is generally found by measuring the conductivity of aqueous solution of	<p>A. $BaCl_2$</p> <p>B. KCl</p> <p>C. NaCl</p> <p>D. $MgCl_2$</p>
9	Benzene reacts with ozone and gives	<p>A. Glycerin</p> <p>B. Glyoxal</p> <p>C. Maleic anhydride</p> <p>D. Benzoic acid</p>
10	Statement enthalpy of combustion of H_2 is $-285.8 \text{ KJ mole}^{-1}$ then which is the standard enthalpy of formation of water	<p>A. $+285.8 \text{ KH mole}^{-1}$</p> <p>B. $-285.5 \text{ KJ mole}^{-1}$</p> <p>C. Zero</p> <p>D. $-218 \text{ KJ mole}^{-1}$</p>
11	Replacement of hydrogen by NO_2 group is called	<p>A. Sulphonatioin</p> <p>B. Hydration</p> <p>C. Nitration</p> <p>D. Cracking</p>
12	Internal energy of a system is equal to	<p>A. Kinetic energy of particles</p> <p>B. Potential energy due to binding forces between particles</p> <p>C. Sum of kinetic energy plus potential energy of the particles</p> <p>D. Heat contents</p>
13	Of the following four reactions, formic acid and acetic acid differ in which respect?	<p>A. Replacement of hydrogen by sodium</p> <p>B. Formation of ester with alcohol</p> <p>C. Reduction of Fehling solution</p> <p>D. Blue litmus reaction</p>

14	Which of the following equation represents reaction when lithium nitrate is heated.	<p>A. $2\text{LiNO}_3 \rightarrow \text{Li}_2\text{O} + \text{NO}_2$</p> <p>B. $4\text{LiNO}_3 \rightarrow 4\text{LiO}_2 + 4\text{NO}_2 + \text{O}_2$</p> <p>C. $\text{LiNO}_3 \rightarrow \text{Li}_2\text{O} + 4\text{NO}_2$</p> <p>D. $2\text{LiNO}_3 \rightarrow \text{Li}_2\text{O} + \text{NO}_2 + \text{O}_2$</p>
15	Which heavy metals do not have any safe limits	<p>A. As</p> <p>B. Hg</p> <p>C. Cr</p> <p>D. All of these</p>
16	Which of the following is not a sub-atomic particle	<p>A. Electron</p> <p>B. Proton</p> <p>C. Neutron</p> <p>D. Deuteron</p>
17	Plaster of pates is obtained by heating	<p>A. Gypsum</p> <p>B. Epsom</p> <p>C. Lime stone</p> <p>D. Dolomite</p>
18	The catalytic prmoter used for the industrial preparation of acetaldehyde is	<p>A. PdCl_2</p> <p>B. CuCl_2</p> <p>C. $\text{Pd} + \text{CaCl}_2$</p> <p>D. None of these</p>
19	10g Of NaOH Has Been Dissolved Perdm ³ of solution. The morality of solution is :	<p>A. 0.025 M</p> <p>B. 1.5 M</p> <p>C. 0.1 M</p> <p>D. .25 M</p>
20	Organic compounds resemble to those of inorganic compounds having same	<p>A. Ionic properties</p> <p>B. Carbon forming long chain or rings</p> <p>C. Chemical forces</p> <p>D. Isomerism</p>