

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	When a carbon atom forms single bonds with other carbon atoms, these hybrid orbitals overlap with the orbitals of hydrogen to form four bonds which are	A. Three sigma and one P _i B. Two sigma and two P _i C. One sigma and three P _i D. sigma
2	Equal masses of methane and oxygen are mixed in an empty container at 25°C The fraction of total pressure exerted by oxygen is :	A. 1/2 B. 8/9 C. 1/9 D. 16/17
3	Series starting from ${}_{39}\text{Y}$ to ${}_{48}\text{Cd}$ is in period:	A. 4th B. 5th C. 6th D. 7th
4	The less reactivity of transition metal is due to	A. High heats of sublimation B. High ionization energies C. Low heats of salvation D. All these
5	Among group V-A elements, the most electronegative element is:	A. Sb B. N C. P D. As
6	Corrosion is basically a	A. Altered reaction in presence of H_2O B. Electrochemical phenomenon C. Interaction D. Union between two light metals and a heavy metal
7	Dehydrohalogenation of alkyl halides give	A. Alkanes B. Alkenes C. Alkynes D. Aldehyde
8	0.1 molar glucose ($\text{C}_6\text{H}_{12}\text{O}_6$) solution has the % W/N	A. 1.8% B. 18% C. 0.18% D. 2.8%
9	Raney - nickel is the alloy of Ni with	A. Pt B. Al C. Cu D. Pd
10	When potassium metal is exposed to violet light	A. Ejection of electrons takes place B. Ejection of some potassium atoms occurs C. There is no effect D. The absorption of electrons takes place
11	Which of the following is not true for metalloids	A. They are borderline elements that exhibit both metallic and non-metallic properties to some extent B. They usually act as electron donors with non-metals and as electron acceptors with metals C. Some of these elements are boron, silicon and germanium D. They are good conductors of heat and electricity
12	Violet colour is obtained when dilute CuSO_4 is added in alkaline solution of protein. This test is known as	A. Biuret B. Xanthoproteic test C. Hopkins-cole D. All of these
13	How many are the zones through which the charge passes in a rotary kiln?	A. 4 B. 3 C. 2 D. 1

14	Which of the following compounds is explosive in nature?	A. Phosphorus trichloride B. Nitrogen trichloride C. Hyponitrous acid D. Nitrosyl chloride
15	Which one of the following reaction takes place spontaneously	
16	Which of the following particles has longest wavelength, if they have same speed:	A. Proton. B. Neutron. C. Electron. D. Positron.
17	Which structure shows a primary alcohol	
18	Analytical chemistry is the science of :	A. Chemical Characterization. B. Physical Characterization. C. Biological Characterization. D. Biochemical Characterization.
19	The reaction-method that does not give an alkane is	A. Catalytic hydrogenation of alkanes B. Wurtz reaction C. Hydrolysis of alkyl magnesium bromide D. Dehydrohalogenation of an alkyl halide
20	C- X bond is strong in	A. CH_3Cl B. CH_3Br C. CH_3F D. CH_3I