

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Solutions containing relatively lower concentrations of solute are called :	A. Concentrated solutions. B. Lighter solutions. C. Dilute solutions. D. None of above.
2	Coupling of Pb with its $Pb^{++}/Pb = -0.13$ V and Ag with $Ag^+/Ag = +0.80$ V, the cell reaction	
3	$[Co(NH_3)_6]^{3+}$ will form _____ structure	A. Square planar B. Tetrahedral C. Octahedral D. Trigonal bipyramidal
4	Which of the following has more unpaired d-electrons?	A. Zn^{+2} B. Fe^{+2} C. Ni^{+3} D. Cu^{+2}
5	How many atoms of carbon are there in 18 g of $C_6H_{12}O_6$?	A. 6.02×10^{23} B. 3.6×10^{23} C. 6.02×10^{22} D. 3.6×10^{22}
6	Which is used in bacterial lamps	A. He B. Ne C. Ar D. Kr
7	Plaster of pases is obtained by heating	A. Gypsum B. Epsom C. Lime stone D. Dolomite
8	Sulphur dioxide affects	A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus
9	Question Image	A. 3 B. 4 C. 5 D. 2
10	Aldehydes are produce in atmosphere by	A. Oxidation of secondary alcohols B. Reduction of alkenes C. Reaction of oxygen atoms with hydrocarbons D. Reaction of oxygen atoms with ozone
11	Which of the following order is incorrect w.r.t property indicated?	A. Formic acid > Acetic acid > Propionic acid (ACID STRENGTH) B. Cyclohexanol < Phenol < Benzoic acid (ACID STRENGTH) C. Benzamide < Aniline < Cyclohexylamine (ACID STRENGTH) D. FCH_2COOH > $ClCH_2COOH$ > $BrCH_2COOH$ (ACID STRENGTH)
12	During the formation of a chemical bond the potential energy of the system	A. Decreases B. Increases C. Does not change D. None of these
13	Gypsum is applied to the soil to provide calcium and	A. Oxygen B. Nitrogen C. Phosphorous D. Sulphur
14	Picric acid is	A. 2, 4, 6-Trinitrotoluene B. 2, 4, 6-Tribromoethanol C. 2, 4,6-Trinitrophenol D. Para-Nitrophenol

15	Which statement is not correct about alcohol?	<p>A. Ethyl alcohol is heavier than water</p> <p>B. Ethyl alcohol evaporates more quickly</p> <p>C. Alcohol with less number of carbon atoms is more soluble in water than alcohol with more number of carbon atoms</p> <p>D. Alcohol produces H_2 by reaction with sodium metal</p>
16	Which is the property of benzene?	<p>A. decolorizes $KMnO_4$</p> <p>B. straight chain structure</p> <p>C. only double bond is present</p> <p>D. triple and double bond</p>
17	Methanol is prepared from CO and H_2 using catalyst:	<p>A. ZnO</p> <p>B. Cr_2O_3</p> <p>C. Pt</p> <p>D. Ni</p>
18	Which of the following d-block elements can show the highest oxidation number in its compounds	<p>A. Chromium</p> <p>B. Copper</p> <p>C. Nickel</p> <p>D. Manganese</p>
19	The pH of 10^{-3} mole dm^{-3} of an aqueous solution of H_2SO_4 is	<p>A. 3.0</p> <p>B. 2.7</p> <p>C. 2.0</p> <p>D. 1.5</p>
20	Which statement is true for Na and Na^+	<p>A. Both have equal sizes.</p> <p>B. Both have same properties.</p> <p>C. Size of Na is smaller than Na^+</p> <p>D. Size of Na is greater than Na^+</p>