

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Which of the following is not an ortho-para directing group	
2	Surface and ground water sources are contaminated by various human activities. Which of the followings is not a human activity that causes contamination in fresh water	A. Live stock waste B. Oil leaks and spills C. Disposal of industrial effluents D. Rain
3	A species having positive or negative charge is called:	A. Electron B. Ion C. Proton D. Atom
4	What are alloys	A. A homogenous mixture of two or more elements B. A homogenous mixture of metal and a non-metal C. A homogenous mixture of two or more metals D. None of the above
5	When electric current is used to carry out non-spontaneous redox, the process is called	A. Hydrolysis B. Electrolysis C. Decomposition D. Neutralization
6	The valence shell electronic structure of an element is ns^2np^5 . The element will belong to the group of	A. Alkali metals B. Inert metals C. Noble gases D. Halogen
7	Which compound out of the following is used in breathing equipment as it absorbs CO_2 and gives out O_2 at the same time.	A. Na_2O_2 B. KO_2 C. MgO D. BaO
8	One calorie is equal to	A. 5.184 J B. 3.184 J C. 4.184 J D. 7.184 J
9	Relative atomic mass of an element is the mass of the element relative to	A. 1/12 mass of carbon-12 B. 1/12 mass of carbon C. 1 mass of hydrogen atom D. 1/16 mass of oxygen
10	Which statement is incorrect for balancing of redox reactions by ion-electron method	A. The reaction is splitted into two half reactions B. H^{+} ions are added for acidic or neutral reaction to balance O and H atoms C. To balance H, HCl , is added D. To balance O and H in the alkaline reaction OH^{-} is added
11	An orbital can accommodate maximum two electrons with opposite spins according to	A. Heisenberg's principle B. Aufbau principle C. Hund's rule D. Pauli exclusion principle
12	Ethyl alcohol is industrially prepared from ethylene by	A. permanganate oxidation B. Catalytic reduction C. Absorbing in H_2SO_4 followed by hydrolysis D. Fermentation
13	Aldehydes are the oxidation product of	A. P-alcohols B. s-alcohols C. ter-alcohols D. carboxylic acids
14	Which one of the following is weakest inter molecular force?	A. Dipole induced dipole forces B. Ionic dipole forces C. Electrostatic forces b/w ions

		D. Dipole dipole forces
15	The shape of ClO_3^- according to valence shell electron pair repulsion theory will be	A. Planar triangle B. Pyramidal C. Tetrahedral D. Square planar
16	The fibre which contains polymers of vinylidene chloride as fibre forming substance is known as	A. Saran fibre B. Nylon C. Polyester D. Acetate fibre
17	Which is not the condition for the formation of smog	A. There must be sufficient NO gas B. There must be sunlight to help photo chemical reaction to take place C. Air must be blowing swiftly D. There must be SO_2 in the air
18	Which of the following is not isoelectronic?	A. Na^+ B. Mg^{2+} C. O^{2-} D. Cl^-
19	Cell potential depends upon :	A. Concentration of ions B. Nature of electrolyte C. Temperature D. All of above
20	When of the following is isoelectronic with krypton	A. Ca^{3+} B. Al^{3+} C. Br^{-1} D. I^{-1}