

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	What is wrong about transition metals?	<p>A. Diamagnetic B. Paramagnetic C. Form complexes D. Shows variable oxidation state</p>
2	Question Image <input type="text"/>	<p>A. Le-chatlier's principle B. Only adding catalyst C. Decreasing pressure D. Decreasing temperature</p>
3	Lactic acid on oxidation by alkaline potassium permanganate gives	<p>A. Tartaric acid B. Pyruvic acid C. Cinnamic acid D. Propionic acid</p>
4	Which of the following does not exhibit the periodicity in properties of the elements?	<p>A. Ionisation energy B. N/P ratio C. Electronegativity D. Atomic radius</p>
5	The number of unpaired electrons in the p-subshell of oxygen atom	<p>A. 1 B. 2 C. 3 D. 4</p>
6	In Millikan method the oil droplet falls under the force of gravity but it moves upward due to	<p>A. Electric field B. Magnetic field C. Incident light D. X-rays</p>
7	Palmitic acid & stearic acid are obtained from process of fats & oils:	<p>A. Reduction B. Neutralization C. oxidation D. hydrolysis</p>
8	Charge to mass ratio (e/m) of the electron is determined by	<p>A. R. A. Millikan B. J. J. Thompson C. G. J. Stoney D. None of these</p>
9	The statement that the properties of every eight elements are similar to the first is the law of	<p>A. Dobereiner B. Newland C. Mendeleev D. L. Meyer</p>
10	Which one of the following enzymes brings about the hydrolysis of fats	<p>A. Urease B. Maltase C. Zymase D. Lipase</p>
11	A dry alkaline cell has porous Zn anode and MnO ₂ as cathode the electrolyte used is	<p>A. Ca(OH)₂ B. NaOH C. KOH D. NH₄OH</p>
12	The development of industries was a direct result of which major factor	<p>A. Population B. Living standards C. Depletion of resources D. All of these</p>
13	The organic compound, alcohols are much closer to, in structure and hence is also called its derivative:	<p>A. Water B. Oxidizes of lithium oxides C. Oxidizes of magnesium D. Oxidizes of aluminium</p>
14	The concentration of reactants is increased by x, then equilibrium constant K becomes	<p>A. In K/x B. K/x C. K + x D. K</p>
15	Which metal of Group-II A of the periodic Table, will form the least ionic chloride	<p>A. Be B. Mg C. Ca D. Sr</p>

16	The cell in which a non-spontaneous redox reaction takes place as a result electricity is known as :	A. Electrolytic cell. B. Voltaic cell. C. Daniel cell. D. Dry cell.
17	Nitration of phenol gives	A. o-nitrophenol B. p-nitrophenol C. m-nitrophenol D. Both o and p-nitrophenol
18	The state of hybridization of carbon atom in methane is:	A. sp^3 B. sp^2 C. sp D. dsp^2
19	$C_6H_{12}O_6$ is molecular formula of:	A. Glucose B. Dextrose C. Fructose D. All of these
20	Carbon monoxide, emitted by automobiles, prevents transport of oxygen in body due	A. Combining with oxygen to form carbon dioxide B. Destruction of hemoglobin C. Preventing reaction between oxygen and hemoglobin D. Forming stable compound with hemoglobin