

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The depression of freezing point is directly proportional to	A. Mole fraction of the solution B. Molarity of the solution C. Molality of the solution D. Molarity of the solvent
2	The sum of all the energies of atoms, molecule, ion, within system is called	A. Enthalpy B. K.E. of the system C. Internal energy D. None
3	Series starting from $3s^2$ to $4d^10$ is in period:	A. 4th B. 5th C. 6th D. 7th
4	Which of the following gives iodoform on heating with a solution of I_2 containing Na_2CO_3 ?	A. Ethyl alcohol B. Acetone C. Ethyl alcohol as well as acetone D. Methyl alcohol
5	All the following decompose easily on heating to give oxygen except	A. Lead nitrate B. Potassium chlorate C. Mercuric oxide D. Manganese dioxide
6	A solution can be	A. Dilute and concentrated B. Saturated and dilute C. Saturated and unsaturated D. Supersaturated and saturated
7	Spectrum of white light is continuous because	A. Colors separated by dark spaces B. There are no boundary lines between the colours C. The radiations are in infrared region D. The radiations fall in ultraviolet region
8	Lattice energy of NaCl	A. +5000 KJ B. -344 KJ C. -776 KJ D. -411 KJ
9	All covalent bonds formed between the two atoms are non-polar when	A. Covalent bond between two non-metal atoms B. Covalent bond between metal and non-metal C. Covalent bond between two atoms of same element D. Covalent bond between metal atoms
10	The experimental relationship between a reaction rate and the concentration of reactants is called	A. Order of reaction B. Rate law C. Activated complex D. Molecularity
11	Alkanes containing carbon C_{18} onwards are	A. Gases B. Liquids C. Waxy solids D. Solids
12	In which type of following solutions we don't know the total volume of the solutions :	A. Percentage weight/weight B. Percentage weight/volume C. Percentage volume/volume D. Percentage volume/weight
13	The heat energy change during a chemical reaction at constant pressure and at a given temperature is called	A. Change in internal energy B. Enthalpy change C. Temperature change D. Work done by the system
14	Question Image	A. Electrophilic addition B. Electrophilic substitution C. Free radical substitution D. Nucleophilic substitution

15	Which of the following is a pseudo solid?	<p>A. CaF_2</p> <p>B. Glass</p> <p>C. NaCl</p> <p>D. All</p>
16	Which one of the following statements is true about discovery of neutrons?	<p>A. These particles were formed by the bombardment of Alpha-particles on Beryllium.</p> <p>B. These particles are formed by the spitting of alpha-particles.</p> <p>C. These particles were discovered by natural radioactivity.</p> <p>D. None of above.</p>
17	At present cement plants in Pakistan are:	<p>A. Ten</p> <p>B. Twenty Two</p> <p>C. Four</p> <p>D. Twenty Four</p>
18	Which is a mixture of low boiling hydrocarbon	<p>A. Natural gas</p> <p>B. Petroleum</p> <p>C. Wood</p> <p>D. Graphite</p>
19	In endothermic reactions, the heat content of the:	<p>A. Products is more than that of reactants.</p> <p>B. Reactants is more than than to products.</p> <p>C. Both (a) and (b).</p> <p>D. Reactants and products are equal.</p>
20	<p>$\text{N}_2 + 3\text{H}_2 \rightleftharpoons 2\text{NH}_3$</p> <p>Which of the following change will favor the formation of more NH_3 at equilibrium in above reaction :</p>	<p>A. By adding NH_3</p> <p>B. By removing H_2</p> <p>C. By decreasing pressure.</p> <p>D. By increasing pressure.</p>