

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Bohr model of atom is contradicted by:	A. Planck's quantum theory B. Pauli's exclusion theory C. Heisenberg's uncertainty principle. D. All of above.
2	Which set of hybrid orbitals has planar triangular shape	A. sp^3 B. sp C. sp^2 D. dsp^2
3	Purine derivative among the following bases is	A. Thymine B. Uracil C. Guanine D. Cytosine
4	Raney - nickel is the alloy of Ni with	A. Pt B. Al C. Cu D. Pd
5	In which reaction Hydrogen behave as oxidizing agent?	A. $H_2 + Cl_2 \rightarrow 2HCl$ B. $C_2H_2 + H_2 \rightarrow C_2H_4 + H_2$ C. $2Na + H_2 \rightarrow 2NaOH$ D. $C_2H_2 + H_2 \rightarrow C_2H_5OH$
6	The number of elements in the 4th periods of periodic table is	A. 8 B. 10 C. 18 D. 32
7	Which of the hydrogen halides has the highest percentage of character?	A. HI B. HF C. HCl D. HBr
8	Mixture of alcohol and water can be separated by	A. Solvent extraction techniques B. Crystallization C. Precipitation and filtration D. Fractional distillation
9	The net heat change in a chemical reaction is same, whether it is brought about in two or more different ways in one or several steps. It is known as:	A. Henry's law. B. Joule's principle. C. Hess's law. D. Law of conservation of energy.
10	Alkali metals in each period have	A. Smallest size B. Lowest IE C. Highest IE D. Highest electronegativity
11	When a piece of zinc is added to the copper sulphate solution, _____ colour of solution disappear	A. Pink B. Purple C. Blue D. Brown
12	The majority of reactions which give stable products are	A. Exothermic B. Isothermal C. Endothermic D. Both a and c
13	Which of the following is a water soluble vitamin?	A. Niacin B. Riboflavin C. Trypsin D. Ascorbic acid
14	The reagents like $KMnO_4$ and HCL cannot be filtered through Gooch crucible if its base is covered with :	A. Butterfly paper. B. Ordinary paper. C. Flying paper. D. Filter paper.
15		A. Depends on the initial concentration of the reactants B. Depends on the concentration of

15	The equilibrium constant in a reversible chemical reaction at a given temperature	<p>one of the products at equilibrium</p> <p>C. Does not depend on the initial concentration of reactants</p> <p>D. It is characteristic of the reaction</p>
16	The molarity of toluene solution in benzene is 0.22 if 5 grams of toluene dissolved, then mass of benzene is grams is	<p>A. 267</p> <p>B. 260</p> <p>C. 240</p> <p>D. 247</p>
17	Cannizzaro's reaction is not given by	<p>A. Formaldehyde</p> <p>B. Acetaldehyde</p> <p>C. Benzaldehyde</p> <p>D. Trimethylacetaldehyde</p>
18	In a Galvanic cell, the electrons flow from	<p>A. Anode to cathode through the solution</p> <p>B. Cathode to anode through the external circuit</p> <p>C. Cathode to anode through the external circuit</p> <p>D. Anode to cathode through the external circuit</p>
19	Angle 120° is observed in molecules :	<p>A. CH_4</p> <p>B. $\text{CH}_3\text{-CH}_3$</p> <p>C. $\text{CH}_2=\text{CH}_2$</p> <p>D. $\text{CH}_2=\text{CH}_2$</p>
20	The spectrum of helium is expected to be similar to that of	<p>A. H</p> <p>B. Li^+</p> <p>C. Na</p> <p>D. He^+</p>