

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	A homogeneous mixture of two or more than two chemical substances is called	A. Solute B. Solution C. Solvent D. Salvation
2	The nature of positive ray depend on:	A. The nature of electrode. B. The nature of discharge tube. C. The nature of residual gas. D. All of above.
3	Splitting of spectral lines when atoms are subjected to strong electric field is called:	A. Zeeman effect. B. Stark effect C. Photoelectric effect. D. Compton effect.
4	Question Image	A. 84.84 % B. 89.89% C. 81.81% D. 90.90%
5	The compounds or species in search of electrons are called	A. Electrophiles B. Nucleophile C. Nitrites D. Bases
6	Quantity of heat evolved or absorbed during the reaction is measured according to the equation	
7	Two moles of acetic acid are heated with P_2O_5 the product formed is	A. 2 moles of ethyl alcohol B. Formic anhydride C. Acetic anhydride D. 2 moles of methyl cyanide
8	The quantum number which determines the shape of the orbital is	A. principal B. azimuthal C. magnetic D. spin
9	Which is not property in ether:	A. Very weak hydrogen bonding B. High b.p C. Slightly soluble D. Inflammable
10	If a salt bridge is removed between the two half cells, the voltage	A. Drops to zero B. Does not change C. Increases gradually D. Increases rapidly
11	K_b value of NH_4OH is 1.81×10^{-5} and its conjugate acid has $K_a = 5.7 \times 10^{-10}$ pK_b of the base is 4.74, pK_a of its conjugate acid is	A. -4.74 B. 4.74 C. 10 D. 9.26
12	Vegetable oils are	A. Unsaturated fatty acids B. Glycerides of unsaturated fatty acids C. Glycerides of saturated fatty acids D. Essential oils obtained from plants
13	The unit of the rate constant is the same as that of rate of reaction in :	A. Third order reaction B. Second order reaction C. First order reaction D. Zero order reaction
14	The degenerate orbitals p-sub shell are	A. 2 B. 3 C. 5 D. 7
15	Escape of high energy molecules from the surface of a liquid is called	A. Sublimation B. Distillation C. Condensation D. Evaporation
		A. F > Cl > Br

16	Electronegativity values of the elements F, Cl and Br vary	<p>B. Br &gt; Cl &gt; F C. Cl &gt; Br &gt; F D. Cl &gt; F &gt; Br</p>
17	Alcohol reacts with halogen acid to produce	<p>A. Alkyl halides B. Aldehydes C. Ketones D. Alkanes</p>
18	The best electrode used in salt bridge is KCl. Which other electrolyte can also be used for the purpose :	<p>A. NaCl B. NH_4NO_3 C. KNO_3 D. NaNO_3</p>
19	The movement of gas molecules from a region of high pressure to vacuum is called	<p>A. Evaporation B. Effusion C. Conduction D. Diffusion</p>
20	Isotopes differ in the	<p>A. Number of neutrons B. Number of protons C. Number of electrons D. Number of atoms</p>