

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Which salt is used for preserving food	A. BaCl_2 B. CaCl_2 C. NaCl D. Na_2SO_4
2	The condition for standard enthalpy change is	A. 1 atm 30°C B. 1 atm 50°C C. 1 atm 25°C D. 760 atm 25°C
3	The term cryoscopy is used for	A. Depression of freezing point B. Elevation in boiling point C. Lowering of vapour pressure D. Osmotic pressure
4	For the reaction : $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$ the change in enthalpy is called:	A. Heat of reaction. B. Heat of formation. C. Heat of neutralization. D. Heat of combustion.
5	Which is not carboxylic acid with pungent smell?	A. Formic acid B. Acetic acid C. Ethanoic acid D. Butyric acid
6	Which of the following salt is soluble in water	A. CaCO_3 B. CaSO_4 C. MgSO_4 D. BaSO_4
7	It is common observation that rates of chemical reactions differ :	A. Greatly. B. A little bit. C. Moderately.
8	Reaction of ethylamine with chloroform in alcoholic KOH produces	A. CH_3OH B. CH_3NC C. $\text{C}_2\text{H}_5\text{NC}$ D. $\text{C}_2\text{H}_5\text{CN}$
9	The pH of 10^{-3} mole dm^{-3} of an aqueous solution of H_2SO_4 is :	A. 3.0 B. 2.7 C. 1.5 D. 1.5
10	Electronegativity values of the elements F, Cl and Br vary	A. F > Cl > Br B. Br > Cl > F C. Cl > Br > F D. Cl > F > Br
11	Cuprous ore among the following is	A. Chalcopyrites B. Azurite C. Cuprite D. Malachite
12	Which one of the following solution will have higher vapour pressure than that of water	A. Aqueous solution of methanol B. Aqueous solution of HCl C. Aqueous solution of glucose D. Aqueous solution of urea
13		A. Covalent forces B. Van der Waal forces or London forces

13	Inter molecular forces in solid hydrogen are	dispersion forces C. Hydrogen bonds D. All of these
14	Which of the following reagents is used to distinguish between methanoic acid and ethanoic acid?	A. Amm. silver nitrate solution B. Neutral ferric chloride C. Sodium hydroxide solution D. Sodium carbonate solution
15	Cotton is an example of	A. Animal fibre B. Mineral fibre C. Vegetable fibre D. Synthetic fibre
16	The number of atoms or molecules whose concentrations determine the rate of the reaction is called	A. Molecularity B. Order C. Rate of reaction D. Rate constant
17	$\text{CH}_3\text{CH}_2\text{COOH}$ is also named as:	A. Propionic acid B. Propanoic acid C. Acetic Acid D. Both (a) and (b)
18	When during electrolysis of a solution of AgNO_3 , 9650 coulombs of charge pass through the electroplating bath, the mass of silver deposited on the cathode will be	A. 1.08 g B. 10.8 g C. 21.6 g D. 108 g
19	Enzymes catalyse all biological reactions occurring in the cell. What is true about an enzyme	A. Enzyme is a small molecule B. Enzyme is acidic in nature C. Enzyme is a protein D. Enzyme is a lipid
20	Heat absorbed or released during the chemical reaction of physical process at constant pressure is equal to	