

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Aromatic aldehydes undergo disproportionation in presence of sodium or potassium hydroxide to give corresponding alcohol and acid. The reaction is known as	A. Wurtz reaction B. Cannizzaro reaction C. Friedel Craft reaction D. Claisen reaction
2	Toluene is also called	A. Hydroxyl benzene B. Methyl benzene C. ethyl benzene D. None
3	Maximum hydrogen bonds in water are	A. 4 B. 3 C. 2 D. 8
4	Bond angle is minimum for	A. $H_2O$ B. $H_2S$ C. $H_2Se$ D. $H_2Te$
5	Which of the following is not an element?	A. Graphite B. Diamond C. 22-Carat gold D. Rhombic sulphur
6	A compound is soluble in conc. $H_2SO_4$ , it does not decolourise bromine in carbon tetrachloride but is oxidized by chromic anhydride in aqueous sulphuric acid within two seconds, turning orange solution to blue, green and then opaque. The original compound is	A. Primary alcohol B. Tertiary alcohol C. alkene D. ether
7	During nitration of benzene, the active nitrating agent is	A. $NO_3$ B. $NO_2^+$ C. $NO_2^-$ D. $HNO_3$
8	One of the following statements is incorrect	A. Actual yield is always less than the theoretical yield B. The formula of a compound is not definite C. Law of conservation of mass is applied in stoichiometry D. Boyles law is applied in stoichiometry
9	Which has maximum protein content?	A. Ground nut B. Cow milk C. Egg D. Wheat
10	Ionization energy does not increase?	A. With small atomic radius of atom B. If increase in no of electronic shells C. By increase in proton no of atom D. None of these
11	Synthetic polymer prepared from caprolactum is known is	A. Nylon 610 B. Teflon C. Terylene D. Nylon-6
12	Which statement about gases is not correct ?	A. The spread throughout the vessel. B. Pressure is due to collision C. There are large spaces between the molecules. D. molecules are arranged regularly.
13	Zeotropic mixture	A. Obey Henry's law B. Obey Raoult's law C. Does not obey Raoult's law D. Obey Dalton's law
14	$C_{18}$ and onward hydrocarbons are normally	A. Gases B. Liquids C. Solids D. Plasma

15	During electrolysis, electrons are :	A. Lost by anions and gained by cations B. Gained by anions and lost by cations C. Gained only D. Lost only
16	Cannizzaro's reaction is not given by	A. Formaldehyde B. Acetaldehyde C. Benzaldehyde D. Trimethylacetaldehyde
17	Which of the following molecules have its central atom $sp^2$ hybridized	A. $CH_4$ B. $C_2H_2$ C. $C_2H_4$ D. $CCl_4$
18	Glass calorimeter reaction is one which we measure	A. Enthalpy of combustion B. Enthalpy of reaction C. Pressure volume work D. None of above
19	By comparing both initial and final states of the system, we can describe the change taking place in the	A. Surrounding B. Both a and c C. System D. None of above
20	Which of the following is the hardest metal among following	A. Li B. Na C. Rb D. K