

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	How much pesticides have been synthesized at present?	A. Four thousands B. Six thousands C. Eight Thousands D. Ten thousands
2	Isopropyl alcohol on oxidation forms	A. Acetone B. Ether C. Ethylene D. Acetaldehyde
3	The higher molecular weight materials which yield on hydrolysis the amino acids is called:	A. Carbohydrates B. Lipids C. Fatty acids D. Proteins
4	The active part in a molecule is called	A. Hetroatom B. Functional group C. Chemical bond D. Ion
5	The radius of second Bohr's orbit is	A. 0.053 nm B. 0.053/4 nm C. 0.053 x 4 nm D. 0.053 x 20 nm
6	The destructive distillation of coal gives three products. What is not the product of destructive distillation of coal	A. Coal gas B. Carbon dioxide C. Coal tar D. Coke
7	General formula of aliphatic carboxylic acids:	A. R---OH B. R----COH C. R----CO---R D. RCOOH
8	Alkenes combine readily with electrophilic reagents such as halogens giving	A. Haloalkanes B. Gem-dihalides C. Vicinal dihalides D. Vinyl halides
9	Benzene was discovered by Michael Faraday's in	A. 1824 B. 1825 C. 1826 D. 1827
10	If the standard electrode potential of $\text{Cu}^{2+}/\text{Cu}$ electrode is 0.34 V, what is the electrode potential of 0.01 M concentration of $\text{Cu}^{2+}$ ? (T=298)	A. 0.399 V B. 0.281 V C. 0.222 V D. 0.176 V
11	Which of the following favours the reverse reaction in chemical equilibrium?	A. Increasing the concentration of the reactant B. Removal of the least one of the products at regular intervals C. Increasing the concentration of one or more of the products D. None of these
12	$\text{H}_2\text{S}$ is a gas while $\text{H}_2\text{O}$ is a liquid at room temperature. It is due to:	A. Less inter-molecular forces in water. B. Covalent bonding H-O in water molecule. C. Hydrogen bonding in water molecules D. Ionic character in water molecules
13	Solvay process is used in the manufacture of	A. $\text{Na}_2\text{CO}_3$ B. $\text{NaHCO}_3$ C. $\text{CaCl}_2$ D. All
14	The shape of methanol, ammonia and water molecule can be explained by assuming	A. $\text{sp}^3$ hybridization B. $\text{sp}^2$ hybridization C. $\text{sp}$ hybridization D. $\text{sp}^3$ hybridization

		D. All of these
15	The stability of aromatic compounds decreases with ----- in the no. of its resonance structure	A. Decrease B. Increase C. Remain constant D. Partially decreases
16	If absolute temperature of a gas is doubled and the pressure is reduced to one half, the volume of gas will :	A. remain unchanged B. increase four times C. reduce to 1/4 D. be doubled
17	Benzene was discovered by first of all	A. Michael Faraday B. Hofmann C. Ainderson D. Sorenbon
18	A graph between P and PV at constant temperature and number of mole is parallel to	A. y axis B. z axis C. x axis D. pressure axis
19	Arenes are also called	A. atom B. hydrocarbons C. aromatic D. benzene
20	The bond order for He <sub>2</sub> molecule is	A. zero B. 1/2 C. 1 D. 2