

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Neutrons was discovered by	A. Mosely B. Milliken C. Chadwick D. Ruherford
2	Atoms obey octet rule by sharing-electrons making covalent bonds according to	A. Lewis and Kossal theory B. Valance bond theory C. VSEPR theory D. Molecular orbital theory
3	Propanone is the product obtained by dehydrogenation of	A. 2-Propanol B. 1-Propanol C. Isobutyl alcohol D. Propanethoil
4		A. 3 B. 4 C. 5 D. 2
5	The product of pressure and volume remains constant when temperature and quantity of gas is	A. zero B. variable C. kept constant D. None of these
6	Alcohols react with carboxylic acid to produce the class of compounds known as	A. Grignard's reagent B. Esters C. Amides D. None of these
7	London dispersion forces are also called:	A. Hydrogen bonding. B. Debye forces C. Van der Waal's forces D. Instantaneous dipole-induced dipole forces.
8	Ketones are prepared by the oxidation of	A. Primary alcohol B. Secondary alcohol C. Tertiary alcohol D. None of these
9	Oxidation number of oxygen in OF <sub>2</sub> is	A. +1 B. -1 C. +2 D. -2
10	The normal amount of overhead ozone is about	A. 250 Du B. 300 DU C. 350 DU D. 400 DU
11	Which woody raw material is used for manufacture of paper pulp?	A. Cotton B. Bagasse C. Popular D. Rice straw
12		A. Rate is independent of concentration of water since it is in excess B. Rate is independent of concentration of ester since it is in excess C. Rate depends upon the concentration of acid catalyst added D. Rate = $k[\text{CH}_3\text{COOC}_2\text{H}_5]^3[\text{H}^+]^{1/2}$
13	For effective collisions the molecules slow down before collision and their kinetic energy decreases which results in increase in their	A. Activation energy B. Average energy C. Potential energy D. Collisions frequency
14	Standard reduction of Zn = -0.76 V and that of Ni is -0.25 V. On coupling them by a salt bridge which of these will act as anode	A. Salt bridge will act as anode B. Zn will act as anode C. Ni will act as anode D. None of these

15	Which more acidic?	<p>A. o-cresol</p> <p><b>B. p-nitrophenol</b></p> <p>C. phenol</p> <p>D. m-cresol</p>
16	In which type of following solutions we don't know the total volume of the solutions :	<p>A. Percentage weight/weight</p> <p>B. Percentage weight/volume</p> <p>C. Percentage volume/volume</p> <p><b>D. Percentage volume/weight</b></p>
17	Question Image 	<p>A. Neutrons are attracted by nucleus</p> <p><b>B. Neutrons carry out nuclear reactions</b></p> <p>C. Neutrons carry no charge</p> <p>D. Neutrons are electromagnetic radiations</p>
18	According to Raoult's law	<p>A. Relative lowering of V.P. is equal to mole fraction of solute</p> <p>B. The lowering of V.P. is directly proportional to mole fraction of solute</p> <p>C. V.P. of solvent above solution is equal to product of V.P. of pure solvent and mole fraction of solvent in solution</p> <p><b>D. All of the above</b></p>
19	Peptide bond is a key feature in	<p>A. Polysaccharide</p> <p><b>B. Proteins</b></p> <p>C. Nucleotide</p> <p>D. Vitamins</p>
20	The boiling point of $\text{NH}_3$ is maximum among the hydrides of group V elements due to:	<p>A. Enhanced electronegative character of Nitrogen</p> <p><b>B. Pyramidal structure of <math>\text{NH}_3</math></b></p> <p>C. Very small size of Nitrogen.</p> <p>D. Enhanced electropositive character of Nitrogen</p>