

## ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	The example of a photo chemical reaction is photosynthesis has order of reaction :	A. 1 B. 2 C. 0 D. 3
2	Permonosulphuric acid is known as	A. Marshall's acid B. Carlo's acid C. Sulphuric acid D. None of these
3	Hydrogenation of vegetable oils is accelerated by Ni catalyst. The catalytic activity of Bi is increased by a promoter of activator which is	A. Na and K B. Na and Hg C. Hg and Zn D. Cu and Te
4	Solvent extraction is an equilibrium process and it is controlled by :	A. law of mass action. B. the amount of solvent used. C. distribution law. D. the amount of solute.
5	Elements have the tendency to attain 8 electrons in their valence shell. This is known as	A. Octer rule B. Hunds rule C. Pauli exclusion principle D. Auf ban principle
6	The relative lowering of vapour pressure is equal to the mole fraction of the solute, This law is called	A. Henry's law B. Raoult's law C. Ostwald's law D. Arrhenius law
7	On heating acetaldehyde with ammonical silver nitrate solution, we get	A. CH <sub>3</sub> OH B. Silver acetate C. HCHO D. Silver mirror
8	Which of the following molecules has zero dipole moment>	A. H <sub>2</sub> O B. CHCI <sub>3</sub> C. BF <sub>3</sub> D. NH <sub>3</sub>
9	Which structure shows a tertiary alcohol	A. CH <sub>3</sub> CH <sub>2</sub> OH B. (CH <sub>3</sub> ) <sub>2</sub> CHOH C. (CH <sub>3</sub> ) <sub>3</sub> OH D. CH <sub>2</sub> OH
10	Alkyle halides can be prepared by treating halogen acids with	A. Ethane B. Ethanol C. Ethene and ethanol D. Aldehyde
11	Which statement is incorrect for and ideal solution	A. The forces of attractions between solute and solvent molecules are same B. There is no evolution or absorption of heat C. Volume of the solution is less than sum of volumes of individual components D. Vapour pressure of solution is directly proportional to the mole fraction of solvent
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 HCI     C. Aqueous solution of glucose     D. Aqueous solution of urea
		A. <o:p></o:p> No unit <o:p></o:p>

13	$N_2$ + $O_2$ $\rightleftharpoons$ 2NO The unit of $K_c$ for tis reaction will be:	10/%; font-tamily: Arial, sans-serif; background-image: initial; background-size: initial; background-repeat: initial; background-origin: initial; background-clip: initial; background-size: initial; background-clip: initial; background-clip: initial; background-clip: initial; background-clip: initial; background-clip: initial; background-size: not span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-repeat: initial; background-crip: initial; background-crip: initial; background-crip: initial; background-crip: initial; background-size: not size: not size
14	Half life period of $N_2O_5$ is 24 minutes and it remains same where we increase or decrease its initial concentration, then reactions	A. Zero order B. First order C. Second order D. Third order
15	When a weak acid is dissolved in water or a weak base dissolved in water, then in both cases the conjugate acid base pair is produced. The ionization constants $K_a$ and $K_b$ of a pair are related with each other as	A. K <sub>a</sub> = K <sub>b</sub> B. K <sub>a</sub> . K <sub>b</sub> = K <sub>w</sub> C. K <sub>a</sub> . K <sub>w</sub> = K <sub>b</sub> . K <sub>w</sub> = K <sub>b</sub> D. K <sub>b</sub> . K <sub>w</sub> = K <sub>a</sub> . K <sub>w</sub> = K <sub>a</sub>
16	Ammonium nitrate fertilizer is not used for which crop	A. Cotton B. Wheat C. Sugar cane D. Paddy rice
17	The open chain compounds are also called	A. Aliphatic B. Alicylic C. Aromatic D. Both a and b
18	The detection of functional group is called	A. Numerical analysis B. Qualitative analysis C. Combustion analysis D. Quantitative analysis
19	The essential component of organic compound is	A. O B. C C. P D. N
20	A nuclophile must	A. Be an atom B. A group of atoms C. Have a lone pair D. Be negatively charged