

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The tip of the funnel should touch the side of the beaker in order to avoid	A. Splashing B. Leakage C. Mixing D. Contamination
2	The oxides of which of the following elements will be acidic in character	A. Mg B. Rb C. Li D. Cl
3	The only non-metal in liquid form is	A. S B. Cl C. Br D. P
4	Factors affecting denaturation of proteins:	A. Change in temp and pH B. Strong reducing agent C. Strong oxidizing agent D. All of these
5	Alkaline battery has a voltage of	A. 4.5 V B. 3.5 V C. 2.5 V D. 1.5 V
6	The periodic table gives basic framework to study the periodic.	A. Elements only B. Compounds only C. Elements and their compounds D. Elements and their inorganic
7	The reaction of sodium with ethanol gives	A. $\text{CH}_3\text{OH}$ B. NaH C. $\text{H}_2\text{O}$ D. $\text{H}_2$
8	<div style="border: 1px solid black; width: 100%; height: 15px; display: inline-block;"></div> Question Image	A. Condensation B. Dehydration C. Dehydrogenation D. Hydrogenation
9	Which is the strongest acid?	A. HClO B. $\text{HClO}_2$ C. $\text{HClO}_3$ D. $\text{HClO}_4$
10	The reaction rate is expressed in the units of	A. $\text{Mol dm}^{-3}\text{S}^{-1}$ B. $\text{Mol dm}^{-3}$ C. $\text{Mol dm}^{-3}\text{N}^{-1}$ D. $\text{dm}^{-3}\text{S}^{-1}$
11	A solution contains $1.2046 \times 10^{24}$ hydrochloric acid molecules in one $\text{dm}^3$ of the solution. The strength of the solution is	A. 6 N B. 2 N C. 4 N D. 8 N
12	The rate of reaction determined at a given time is called	A. Average rate B. Instantaneous rate C. Specific rate D. Overall rate
13	$[\text{Ti}(\text{H}_2\text{O})_6]^{3+}$ ion absorbs colour:	A. Blue B. Yellow C. Green D. Red
14	If $\alpha$ is the degree of dissociation of $\text{Na}_2\text{SO}_4$ the vant Hoff's factor (i) used for calculating the molecular mass is	A. $1 + \alpha$ B. $1 - \alpha$ C. $1 + 2\alpha$ D. $1 - 2\alpha$

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D. 1 - 2<span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: small;"></span>

15	Baukelite is a polymer obtained from two monomers	A. Phenol and ethanol B. Phenol and methanol C. Phenol and methanal D. Phenol and acetone
16	The stability of acromatic compounds decreases with ----- in the no. of its resonance structure	A. Decrease B. Increase C. Remain constant D. Partially decreases
17	The reaction of alcohol with $\text{SOCl}_2$ in the presence of pyridine as catalyst gives	A. Acids B. Acid chloride C. Alkyl halide D. Benzene
18	In gases and liquids, temperature is the measure of	A. Average translational kinetic energies of molecules B. Average vibrational kinetic energies of molecules C. Average rotational kinetic energies of molecules D. None of above
19	In which molecule carbon atom is $\text{sp}^2$ hybridized	A. $\text{CH}_4$ B. $\text{C}_2\text{H}_4$ C. $\text{C}_2\text{H}_2$ D. None of the above
20	Out of Cu, Ag, Fe and Zn the metal which can displace all others from their salt solution is	A. Ag B. Cu C. Zn D. Fe