

## ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	The reaction between fat and NaOH is called:	A. Esterification B. Hydrogenolysis C. Fermentation D. Sponification
2	Question Image	A. lodine can oxidise iron B. Bromine can oxidise iron C. lodine can oxidise bromine D. Iron can oxidise bromine
3	The process in which solvent particles surround solute particles is called	A. Hydrolysis B. Hydration C. Solvation D. Dissolution
4	Question Image	A. 0.02 B. 0.2 C. 50 D. 25
5	Question Image	A. Pressure change B. Temperature change C. Concentration change D. Catalyst
6	Kolb's method of alkanes production, is actually	A. Hydrolysis B. Catalysis C. Electrolysis D. Hydrogenation
7	The use of tetra ethyl lead in petrol as an efficient antiknock agent is being discouraged. Which reason is correct	A. It is costly B. It damages the engine C. Pb is difficult to obtain in bulk quantities D. The combustion product, lead, causes air pollutions
8	An alkynes having Carbon count of 20 is	A. gas B. liquid C. Solid D. None
9	Which of the following molecules have its central atom ${\rm sp}^2$ hybridized	A. CH <sub>4</sub> B. C <sub>2</sub> H <sub>2</sub> C. C <sub>2</sub> H <sub>4</sub> D. CCl <sub>4</sub>
10	SN <sub>2</sub> reactions can be best carried out with:	A. Prl. alkyl halide B. Sec. Alkyl halide C. Ter. Alkyl halide D. All of three
11	Which one is a polymer compound?	A. SO <sub>2</sub> B. CO <sub>2</sub> C. CH <sub>4</sub> D. PVC
12	At what pH glycine shows the structure $H_{3N}^+$ $CH_2$ COOH	A. 2 B. 7 C. 10 D. 14
13	B-atom in BF <sub>3</sub> has	A. sp <sup>3</sup> hybridization B. sp <sup>2</sup> hybridization C. sp hybridization D. no hybridization
14	The valency of noble gases, in general, is	A. Zero B. One C. Three D. Two
15	${ m C_2H_5CHO}$ and ${ m (CH_3)_2CO}$ can be distunguished by testing with	A. Phenyl hydrazine B. Hydroxylamine C. Fehling solution

		D. Sodium bisulphate
6	Question Image	A. Excitantion of an electron from 2s to 2p-orbital B. Transfer of three electrons from B to the other atoms C. Excitation of two electrons form 2s orbital to 2p orbital D. Formation of molecular ion
17	The electrolytic cell used for the production of metallic sodium is known as	A. Down's cell B. Solvary's cell C. Haber's cell D. None of these
18	Anode is the surface on which probability of finding electron is:	A. 50% B. Less than 10%. C. More than 95%. D. Zero.
19	Which statement is true about a free radical	A. An atom with a positive charge B. An atom with a negative charge C. An atom with a lone pair of electrons D. An atom with unpaired electron
20	The third line of the Balmer series, in the emission spectrum of the hydrogen atom,is due to the transition from the	A. Fourth Bohr orbit to the first Bohr orbit B. Fifth Bohr orbit to the second Bohr orbit C. Sixth Bohr orbit to the third Bohr orbit D. Seventh Bohr orbit to the third Bol orbit