

## ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	CFCs undergo homolytic fission by uv light in the stratosphere which radical could result from this irradiations of CHClCF $_2$ Cl.	A. CHF CI C FCI B. CH CI CF <sub>2</sub> CI C. CHF CF <sub>2</sub> CI D. C FCI CF <sub>2</sub> CI
2	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
3	A polymeric substance that is formed in the liquid state and then hardened to a rigid solid is called a	A. Fibre B. Plastic C. Varnish D. Polyamide resin
4	Which is a weak nucleophile	A. OH <sup>-</sup> B. Br <sup>-</sup> C. NH <sub>3</sub> D. Cl <sup>-</sup>
5	Quality of fuel is judged from its octane number. The best fuels are	A. Straight chain hydrocarbons     B. Branched chain hydrocarbons     C. Cyclic compounds     D. Compounds containing benzene ring
6	Which one of the following step is not involved in determination of empirical formula	A. Determination % of each element     B. Determination of gram atom of     each element     C. Determination of isotopes of each     element     D. Determination of atomic ratio of     element
7	In Antarctica ozone depletion is due to the formation of following compound	A. Acrolein B. Peroxy acetyl nitrate C. SO <sub>2</sub> and SO <sub>3</sub> D. Chlorine nitrate
8	Outer shells of two elements X and Y have two and six electrons respectively. If they combine, the expected formula of compound will be	A. XY B. X <sub>2</sub> Y C. X <sub>2</sub> Y <sub>3</sub> D. XY <sub>2</sub>
9	During the manufacturing process of cement the temperature of the decomposition zone goes up to	A. 600°C B. 800°C C. 1000°C D. 1200°C
10	The percentage of nitrogen in ammonium nitrate is	A. 32 - 33.5% B. 34 - 36% C. 40 - 45% D. None of these
11	The filtration process is used to separate solid from	A. Liquid B. Gas C. Solid D. All of above
12	Bessemer converter is used in the manufacture of	A. Pig iron B. Steel C. Wrought iron D. Cast iron
13	The boiling point of an a zeotropic mixture of water and ethye alcohol is less than that of water and alcohol. The mixture shows	A. That solution is highly saturated B. No deviation from Raoult's law C. Positive deviation from Raoult's law D. Negative deviation from Raoult's law
14	Lysine is amino acid	A. Acidic B. Basic C. Natural

		D. None of these
15	The sample being analyzed is called	A. Electrolyte B. Substance C. Analyte D. All of above
16	Aldehydes and ketones are carbonyl compounds. Which of them react both with NaBH $_4$ and with Tollen's reagent	A. Both aldehydes and ketones B. Aldehydes only C. Ketones only D. Neither aldehydes nor ketones
17	Give IUPAC name fo Acetone	A. Ethanal B. Propanone C. Butanone D. Propanal
18	The electron releasing effect of methyl group is significant and it makes ring a good	A. Electrophilic B. Nucleophilic C. Nucleophobic D. Hydrophobic
19	Question Image	A1.10 V B. +1.10 V C0.42 V D. +0.42 V
20	The common name of propanoic acid is	A. Acetic acid B. Formic acid C. Propionic acid D. Butyric acid