

## ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Which is the longest period of the periodic table	A. 5th B. 7th C. 6th D. 2nd
2	Ca, Mg, Be, Ba, belong to the same group, the order of their ionization energy values is	A. Be > Mg> Ca > Ba B. Ba > Ca > Mg > Be C. Ca > Mg > Be > Ba D. Ba > Mg > Ca > Be
3	Metal used in the preparation of Grignard's reagent is:	A. Ca B. Na C. Mg D. Zn
4	When rate of forward reaction is equal to rate of backward reaction, then the equilibrium established is called	A. Chemical equilibrium     B. Static equilibrium     C. Dynamic equilibrium     D. None of these
5	The tip of the funnel should touch the side of the beaker in order to avoid	A. Splashing B. Leakage C. Mixing D. Contamination
6	Which of the following solutions has the highest boiling point ?	A. 5.85% solution of sodium chloride. B. 18.0% solution of glucose. C. 6.0% solution of urea. D. All have same boiling points.
7	The electrode through which the electrons enter the electrolytic solution is electrolytic solution is	A. Anode B. Cathode C. May be anode or cathode D. None of these
8	The addition of a catalyst to a reaction changes the	A. Enthalpy B. Entropy C. Nature of reactants D. Energy of activation
9	Which of the following process is employed to convert alkyl halide into alcohol?	A. Addition B. Substitution C. Dehydrohalogenation D. Molecular rearrangement
10	When hydrogen cyanide is added to an Aldehyde in the presence of ammonia it is called	A. Strecker synthesis B. Cory house synthesis C. Williamson;s synthesis D. None of these
11	Platinum is poisoned by	A. Arsenic B. Silver C. Argon D. Zinc
12	Which of the following compounds contains a triple bond?	A. Alkane B. Alkene C. Alkyne D. Benzene
13	Who one mole of each of the following is completely burned in oxygen, which gives the largest mass of carbon dioxide?	A. Carbon monoxide B. Diamond C. Ethane D. Methane
14	Lead accumulator contains	A. 30% NaCl solution as electrolyte B. 30% HCl solution as electrolyte C. 30% H <sub>2</sub> SO <sub>4</sub> solution as electrolyte D. 30% NaOH solution as electrolyte
15	When fused PbBr <sub>2</sub> is electrolyed then	A. Bromine appears at cathode B. Lead deposited at the cathode

	-	C. Lead appears at the anode D. None of these happens
16	A single benzene ring can have ortho position maximally	A. One B. Two C. Three D. Four
17	Acetic acid is manufactured by:	A. Distillation B. Fermentation C. Ozonolysis D. Esterification
18	When a carboxylic acid reacts with a metal gas is evolved	A. H <sub>2</sub> B. CO <sub>2</sub> C. Cl <sub>2</sub> D. None of these
19	Energy of electron in an orbit according to Bohr theory is negative due to	A. Repulsion of electrons in the same orb B. At infinity energy is zero ad a traction towards nucleus decreases energy C. Electron has negative charge D. Product of positive nuclear charge and negative charge is negative
20	Sodium metal is obtained by the electrolysis of fused NaCl in cell is called	A. Nelson's cell B. Down's cell C. Daniell cell D. Voltaic cell