

## ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Which property depends on the state of system	A. Enthaply B. Free energy C. Entropy D. All these
2	Surface and ground water sources are contaminated by various human activities. Which of the followings is not a human activity that causes contamination in fresh water	A. Live stock waste     B. Oil leaks and spills     C. Disposal of industrial effluents     D. Rain
3	During electrolysis of KNO <sub>3</sub> , H <sub>2</sub> is evolved	A. Anode B. Cathode C. Both a and b D. None
4	During the mechanism of aldol condensation a/an is formed	A. Oxide B. Alkali C. Alkoxide ion D. None of these
5	The freezing point of 1 molal NaCl solution assuming NaCl to be 100% dissociated in water in	A1.86 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°C</span> B3.72 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°C</span> C. +1.86 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°C</span> D. +3.72 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°C</span>
6	Which salt is used for the treatment of hyperacidity in stomach	A. NaCl B. KCl C. NaHCO <sub>3</sub> D. Na <sub>2</sub> CO <sub>3</sub>
7	When chloroform is boiled with NaOH, it gives	A. Formic acid B. Trihydroxymethane C. Acetylene D. Sodium formate
8	3-d series elements are present in:	A. First period B. Second Period C. Third period D. 4th period
9	The reaction of sodium with ethanol gives	A. CH <sub>3</sub> OH B. NaH C. H <sub>2</sub> O D. H <sub>2</sub>
10	The organic compounds containing PhOH group are called:	A. Phenol B. Aldehyde C. Ketones D. Carboxylic acids
11	Gradual addition of electronic shells in the nobel gases causes a decrease in their	A. Ionization energy B. Atomic radius C. Boiling point D. Density
12	In which of these processes are smell organic molecules made into macromolecules?	A. The cracking of petroleum fractions B. The fractional distillation of crude oil C. The polymerization of ethane D. The hydrolysis of proteins
13	Elimination bimolecular reactions involve:	A. First order Kinetics B. Third order kinetics C. Zero order kinetics
14	The mass of one mole of proton is	A. 1.008 g B. 0.184 g

		C. 1.6/3 g D. 1.008 mg
15	Coupling of Pb with its Pb $^{++}$ /Pb = -0.13 V and Ag with Ag $^{+}$ / Ag = +0.80 V, the cell reaction	ion
16	Which of the following is weakly acidic in nature	A. Alcohol B. Phenol C. Aidehyde D. Amide
17	A carboxylic acid contains:	A. A hydroxyl group B. A carboxyl group C. A hydroxyle & mp; carboxyl group D. A carboxyl & amp; aldehyde group
18	$0.5~\mathrm{M}~\mathrm{of}~\mathrm{H}_2\mathrm{SO}_4\mathrm{is}$ diluted from 1 litre to 10 litre, normality of resulting solution is	A. 1 N B. 0.1 N C. 10 N D. 11 N
19	Question Image	A. 2-chlorobutanal B. alfa-chlorobutanal C. 2-chlorobutyraldehyde D. alfa- chlorobutyraldehyde
20	Protein are classified into	A. Simple protein B. Complex protein C. Derived proteins D. All of these