

## ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Which of the following is responsible for depletion of the ozone layer in the upper strata of the atmosphere?	A. Fullerences B. Freons C. Polyhalogens D. Ferrocene
2	The number of isotopes of gold is	A. 3 B. 1 C. 2 D. 4
3	In a Galvanic cell, the electrons flow from	A. A node to cathode through the solution B. Cathode to anode through the external circuit C. Cathode to anode through the external circuit D. Anode to cathode through the external circuit
4	Which statement is incorrect for NICAD battery	A. The electrolyte is alkali B. Cd acts as anode C. MnO <sub>2</sub> acts as electrolyte D. NiO <sub>2</sub> acts as cathode
5	What is the structure of the ester formed from propanoic acid and ethanol	
6	Saponification of ethyl benzoate with caustic soda	A. Benzyl alcohol,ethanoic acid     B. Sodium benzoate, ethanol     C. Benzoic acid, sodium ethoxide     D. Phenol, ethanoic acid
7	Grignard's reagent on treatment with carbonyl compounds yield	A. Pheonol B. Alcohol C. Alkane D. None of these
8	Grignard reagent is prepared by the reaction of magnesium metal with alkyl halide in the presence of	A. Alcohol B. Water C. Suephuric acid D. Dry ether
9	The human body can synthesize amino acids	A. 1 B. 10 C. 20 D. 19
10	A single benzene ring can have ortho position maximally	A. One B. Two C. Three D. Four
11	At what pH glycine shows the structure H <sub>3N</sub> <sup>+</sup> CH <sub>2</sub> COOH	A. 2 B. 7 C. 10 D. 14
12	The total values of magnetic quantum number of subshell are five, the subshell is	A. S-subshell B. P-subshell C. D-subshell D. F-subshell
13	Industrial effuents have toxic synthetic organic compounds as well as heavy metals like	A. Pb B. Cr C. Hg D. All of these
14	The benzene molecule contains	A. Three double bonds     B. Two double bonds     C. One double bonds     D. Delocalizedπ-electron charge
15	The relative abundance of the ions with a definite m/e value is measured by	A. High pressure of vapours     B. Strength of electric current measured

		C. Quantity of fast moving electrons D. Electron gas
16	The number of unpaired electrons in Mn <sup>2+</sup> is	A. 5 B. 4 C. 3 D. 2
17	Law of mass action was given by :	<ul><li>A. Guldberg and Waage.</li><li>B. Berkeley and Hartly.</li><li>C. Ramsay and Reyleigh.</li><li>D. Berthelot.</li></ul>
18	Drawback DDT as presticide is	A. I becomes ineffective after some time B. It is less effective than others C. It is not easily/rapidly degraded in nature D. Its high cost
19	Compared to a 1.0M aqueous solution of calcium chloride will have	<ul> <li>A. The same freezing and boiling point</li> <li>B. A lower freezing point and lower boiling point</li> <li>C. A lower freezing point and higher boiling point</li> <li>D. A higher freezing point and higher boiling point</li> </ul>
20	In electronic watches or electronic calculators the tiny batteries used are	A. Alkaline battery B. NICAD battery C. Fuel cell D. Silver oxide battery