

## ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	A compound containing carboxyl group in them are called:	A. Ketone B. Ether C. Carboxylic acids D. Polycarboxylic acid
2	Value of chemical oxygen demand (COD) is a measure of chemically oxidizable matter in water. Which value of COD will indicate more polluted water	A. Low value B. Higher value C. Both values D. None of these
3	Which of the following is an electrophile	A. Bromine B. KBr C. NH <sub>3</sub> D. Benzene
4	Hydrocarbons are divided into aliphatic, alicyclic and aromatic which structure among the following show an alicyclic hydrocarbon	
5	A standard hydrogen electrode (S.H.E) consists of a platinized platinum electrode dipped in 1 molar solution of H <sup>†</sup> ions and hydrogen gas is passed at a pressure of	A. One pascal B. One kilo pascal C. One atmoshpere D. Then atmoshpere
6	Sulphur dioxide affects	A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus
7	If 5.85 g of NaCl are dissolved in 90 g of water, the mole fraction of NaCl is	A. 0.1 B. 0.01 C. 0.2 D. 0.0196
8	Organic acid without a carboxylic acid group is	A. Ascorbic acid B. Vinegar C. Oxalic acid D. Picric acid
9	Which of the following elements is most metallic?	A. P B. As C. Sb D. Bi
10	Which structure shows a primary alcohol	
11	Rate law of an equation is obtained :	A. From a balance equation. B. Can be calculated theoretically as well as determined experimentally. C. It is only calculated theoretically. D. Experimentally.
12	Which bond is most stable	A. C - Cl B. C - F C. C - Br D. C - I
13	A compound contains one atom of oxygen and % of O 34.78, then molecular mass of compound is	A. 46 B. 78 C. 110 D. 180
14	[Cu[NH <sub>3</sub> ) <sub>4</sub> ] <sup>+2</sup> will form structure	A. Square planar B. Tetrahedral C. Octahedral D. Trigonal bipyramidal
15	Coordination number of Pt in [PtCl(NO <sub>2</sub> ) (NH <sub>3</sub> ) <sub>4</sub> ] <sup>2+</sup> is	A. 2- B. 4 C. 1 D. 6
16	The sum of mole fractions (X) of components of solution is equal to	A. 100 B. 200 C. One

		D. Zero
17	Which of the following metal requires radiation of highest frequency to cause emission of electrons?	A. Na B. Mg C. K D. Ca
18	Either, an organic compound has close resemblance in structure and thus a derivative of:	A. Water B. Oxides of lithium C. Oxides of magnisium D. Oxides of aluminium
19	Acetone is oxidized with	A. Tollen's reagent B. Fehling solution C. Acidic dichromate solution D. Benedicts solution
20	An artificial smell of banana is produced in many articles y using esters which of the following is that	A. Amyl acetate B. Isoamyl valerate C. Octyl acetate D. Methyl butyrate