

## ECAT Chemistry Online Test

Qr.	Quartiens	Anguara Chaica
Sr	Questions	Answers Choice
1	Which is the formula of tetra-ammine chloronitro platinum (VI) sulphate?	A. [Pt(NH <sub>3</sub> ) <sub>4</sub> (NO <sub>2</sub> )]SO <sub>4</sub> B. [PtNO <sub>2</sub> Cl(NH <sub>3</sub> ) <sub>4</sub> ]SO <sub>4</sub> ) C. [PtCl(NO <sub>2</sub> ) (NH <sub>3</sub> ) C. [PtCl(NO <sub>2</sub> ) (NH <sub>3</sub> ) (NH <sub>3</sub> ) (NH <sub>3</sub> ) Sub>4 D. [Pt(NH <sub>3</sub> ) <sub>4</sub> (NO <sub>2</sub> )CSUb>4
2	Halogens on treating with silver salts of acids give	A. Alcohol B. Ester C. Phenol D. Alkyl halide
3	Hydrocarbans, SO <sub>2</sub> , CO, NH <sub>3</sub> , nitrogen oxides and compounds of fluorine are called	A. Primary pollutant B. Secondary pollutant C. Tertiary pollutant D. None of these
4	C <sub>2</sub> H <sub>5</sub> OH can be differentiated from CH <sub>3</sub> OH by	A. Reaction with HCl B. Reaction with NH <sub>3</sub> C. lodoform test D. Solubility in water
5	Which is not the affect of polluted air on environment	A. Acid rain B. Smog C. Ozone D. Global warming
6	The general formula of saturated alicyclic hydrocarbons is:	A. C <sub>n</sub> H <sub>n</sub> B. C <sub>n</sub> H <sub>2n</sub> C. C <sub>n</sub> H <sub>2n+2</sub> D. C <sub>n</sub> H <sub>2n-1</sub>
7	The substance which is present in large quantity is called a :	A. Solute B. Solvent C. solutiion D. None of Above
8	The color of ppts formed by Benedirct's test is	A. Brick red B. Wine red C. Yellow D. Orange
9	Sp <sup>3</sup> hybird orbitals are oriented at an angle of	A. 107.5° B. 108.5° C. 109.5° D. 103.5°
10	The process in which one s and two p orbitals mix up with each other is called	A. Sp-hybridization B. Sp <sup>2</sup> -hybridization C. Sp <sup>3</sup> -hybridization D. Dsp <sup>2</sup> -hybridization
11	In the chemical combination of hydrogen and fluorine to form HF:	A. Sodium atom donates major share of its electrons. B. Hydrogen atom donates the major share of its electrons. C. Both the atoms share the electrons equally. D. None of above.
12	CH <sub>3</sub> CH <sub>2</sub> COOH is also named as:	A. Propionic acid B. Propanoic acid C. Acetic Acid D. Both (a) and (b)
13	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
		A. Adding H <sub>2</sub> O and

14	Question Image	H <sup>+</sup> ions B. Adding OH <sup>-</sup> ions C. Adding O <sup>2</sup> molecules D. Adding O atoms
15	Azeotropic mixture of HCl and water has	A. 48% HCI B. 22.2% HCI C. 36% HCI D. 20.2% HCI
16	What is wrong about transition metals?	A. Diamagnetic     B. Paramagnetic     C. Form complexes     D. Shows variable oxidation state
17	The disaccharide present in milk is	A. Sucrose B. Maltose C. Lactose D. Cellobiose
18	An electric current is passed through silver nitrate solution using silver electrodes.10.79 g of silver was found to be deposited on the cathode if the same amount of electricity is passed through copper sulphate solution using copper electrodes, the weight of copper deposited on the cathode is	A. 6.4 g B. 2.3 g C. 128.8 g D. 3.2 g
19	Alkaline battery has a voltage of	A. 4.5 V B. 3.5 V C. 2.5 V D. 1.5 V
20	The value of activation energy Ea of a reaction can be determined from the value of slope of the straight line obtained by plotting a graph between 1/T and log k. the value of Ea is equal to	A. Slope B. 1/Slope C. Slope x R D. Slope x 2.303 R