

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	During the formation of a chemical bond the potential energy of the system	A. Decreases B. Increases C. Does not change D. None of these
2	Cellulose does:	A. Satisfy human appetite B. Stimulates intestinal peristalsis C. Gives fibre and bulk to the food D. All of these
3	A beaker contains 9 grams of water. The number of H-atoms is	A. 6.02 x 1023 B. 3.01 x 1023 C. 6.02 x 1024 D. 3.01 x 1024
4	96500 C of electricity liberates from CuSO ₄ solution	A. 63.5 g of Cu B. 31.75 g of Cu C. 96500 g of Cu D. 100 g of Cu
5	A dry alkaline cell has porous Zn anode and MnO ₂ as cathode the electrolyte used is	A. Ca(OH) ₂ B. NaOH C. KOH D. NH ₄ OH
6	Charge to mass ratio of electron was discovered by:	A. Millika. B. Rutherford. C. J.J. Thomson. D. Chadwick.
7	If two lone pairs are present then bond angle of tetrahedral compound reduces todegrees	A. 109.5° B. 107.5° C. 104.5° D. None
8	Primary alcohols and aldehydes are oxidized to corresponding:	A. alkanes B. alkenes C. Alkynes D. Carboxylic Acid
9	Question Image	
10	The oxidation number of Ni in [Ni(CO) ₄] is	A. +1 B. 0 C. +4 D4
11	The solubility of a gas in water depends upon	A. Nature of the gas B. Temperature C. Pressure of the gas D. All of the above
12	Rutherford's model of atom failed because:	A. The atom did o have a nucleus and electrons B. It did not account fro the attraction b/w protons and neutrons C. It did no account for the stability of the atom. D. There is actually no space b/w the nucleus ad the electrons.
13	Which one of the following reaction takes place spontaneously	
14	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
15	The proteins which are derived by conjugated proteins are called as	A. Simple protein B. Complex protein C. Derived protein D. None
		A. Chadwick.

16	Neutron was discovered by:	В. Bohr. C. Rutherford. D. Plank.
17	Kinetic energy of the molecules is due to	A. Transnational motionB. Rotational motionC. Vibrational motionD. All of these
18	Which teat is not given by both glucose and fructose	A. Give yellow ppt of CHI ₃ with alkaline aqueous iodine B. With 2, 4-DNPH give yellow ppt of hydrazone C. Evolve H ₂ gas with Na metal D. Oxidised with [Ag(NH ₃) ₂] ⁺ i.e. Tollen's reagent
19	Shape of ClO ₃ is	A. Triangular pyramidal B. Tetrahedral C. Triangular planar D. Triangular bipyramidal
20	Ozone hole is maximum over	A. Europe B. Antarctica C. Asia D. Africa