

ECAT Chemistry Online Test

Cr.	Questions	Answers Choice
Sr	Questions	
1	Ozone hole is maximum over	A. Europe B. Antarctica C. Asia D. Africa
2	Corrosion is basically a	A. Altered reaction in presence of H ₂ O B. Electrochemical phenomenon C. Interaction D. Union between two light metals and a heavy metal
3	Which one of the following is not an alkali metal	A. Francium B. Caesium C. Rubidium D. Radium
4	In the manufacture of NH_3 by Haber's process catalyst used is iron its catalytic efficiency is poisoned by	A. Presence of Al ₂ O ₃ B. Presence of Cr ₂ O ₃ C. MnO ₂ D. CO present with H ₂ gas
5	The colour of transition metal complexes is due to	A. d-d transitions of electrons B. Para magnetic nature of transition elements C. lonization D. Loss of s-electrons
6	Protein are classified into	A. Simple protein B. Complex protein C. Derived proteins D. All of these
7	Half life period of a first order reaction is independent of:	A. Presence of catalyst. B. Conditions of temperature C. Initial concentration of the compound D. All of above
8	The Zwitter ion is also called	A. International salt B. Internal salt C. No salt D. None of these
9	The formula of calcium superphosphate is	A. CaHPO ₄ B. CaH ₂ PO ₄ C. Ca(H ₂ PO ₄) ₂ D. None of these
10	Molecular orbitals are filled with the available:	A. Hund's of rule.B. Pauli's exclusion principle.C. Aufbau principle.D. All of above.
11	Generally ionization energy of atoms decreases by	A. Decreases in atomic size B. Increase in atomic size C. Increase in nuclear charge D. None of these
	Each vertical column of the periodic table includes elements with chemical characteristics that are in general	A. Identical B. Similar C. Different
12	· ·	D. Similar as well as different
12	Wolf-kishner reduction is used for the reduction of	D. Similar as well as different A. Nitro compounds B. Carboxylic acids C. Carbonyl compounds D. Olefins

15	Compared to a 1.0M aqueous solution of calcium chloride will have	A. The same freezing and boiling point B. A lower freezing point and lower boiling point C. A lower freezing point and higher boiling point D. A higher freezing point and higher boiling point
16	Heaviest particle is	A. Meson B. Neutron C. Proton D. Electron
17	Internal energy of a system is equal to	A. Kinetic energy of particles B. Potential energy due to binding forces between particles C. Sum of kinetic energy plus potential energy of the particles D. Heat contents
18	The temp. and pressure used for PVC polymerization is	A. 10°C and 10 atm B. 20°C and 20 atm C. 52°C and 9 atm D. 100°C and 10 atm
19	In passage of electricity through aqueous solution of AgNO3silver dissolves at anode to form Ag ⁺ , the electrodes are	A. Silver metal B. Pt metal C. Graphite D. Copper metal
20	The concentration of reactants is increased by x, then equilibrium constant K becomes	A. In K/x B. K/x C. K + x D. K