

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Formula of chloroform is:	A. CH ₃ Cl B. CCl ₄ C. CH ₂ Cl ₂ D. CHCl ₃
2	Hydrocarbons are divided into aliphatic, alicyclic and aromatic which structure among the following show an alicyclic hydrocarbon	
3	The formation of PVC from vinyl chloride is an example of	A. Substitution reaction B. Addition polymerization C. Condensation polymerization D. Condensation reaction
4	Which of the hydrogen halides has the highest percentage of character?	A. H B. HF C. HCI D. HBr
5	The presence of a double bond in a compound is the sign of	A. Saturation B. Unsaturation C. Substitution D. None of above
6	Wacker method involves the conversion of alkene using PdCl ₂ into corresponding	A. Alcohol B. Ketone C. Aldehyde D. Ether
7	Transition elements have valence electrons in	A. s-orbital B. p-orbital C. d-orbital D. f-orbital
8	The state of equilibrium refers to	A. State of rest B. Dynamic state C. Stationary state D. State of inertness
9	Which halide among the following is used as methylating agent?	A. CH ₃ I B. C ₂ H ₅ CI C. C ₂ H ₅ Br D. C ₆ H ₅ CI
10	Which of the following derivative cannot be prepared directly from acetic acid?	A. Acetamide B. Acetyl chloride C. Ethyl acetate D. Acetic acid
11	The change in concentration of reactant or product per unit time is called :	A. Rate constant.B. Rate of reaction.C. Rate equation.D. Rate law.
12	Series starting form 39Y to 48CD is in period:	A. 4th B. 5th C. 6th D. 7th
13	Electrochemical series is a list of element S arranged into the increasing order of their	A. Standard oxidation potential B. Standard reduction potential C. Cell voltage D. lonization potential
14	A 4f orbital has	A. one node B. two node C. three node D. four nodes
15	Which of the following hydrides has the lowest boiling point?	A. H ₂ 0 B. H ₂ 8 C. H ₂ 8 D. H ₂ 1
		A. principal

16	The quantum number which determines the shape of the orbital is	B. azımuthal C. magnetic D. spin
17	The oxidation number of chromium in $K_2Cr_2O_7$ is	A. 14 B. 12 C. 6 D. None of these
18	The total number of rare earth elements is	A. 8 B. 32 C. 14 D. 10
19	Which of the following does not exhibit the periodicity in properties of the elements?	A. lonisation energy B. N/P ratio C. Electronegativity D. Atomic radius
20	The largest number of molecules are present in	A. 3.6 g of H ₂ O B. 4.8 g of C ₂ H ₅ OH C. 2.8 g of CO D. 5.4 g of N ₂ O ₅