

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Splitting of spectral lines when atoms are subjected to strong electron field is called	A. Zeeman effect B. Stark effect C. Photoelectric effect D. Compton effect
2	Benzene does not undergo	A. Substitution reaction B. Addition reaction C. Oxidation reaction D. Elimination reaction
3	Which is used to identify Cu ²⁺ ions	A. Nitric acid B. Sulfuric acid C. NaOH D. HCI
4	With increases in temperature of 10 K of the reacting gases the rate of reaction is doubled because	A. Increase in number of collisions B. Number of molecules having energy more than Ea is doubled C. Increase in order of reaction D. Increase in surface area
5	When propanamide reacts with $\ensuremath{Br}_2\ensuremath{and}\ensuremath{NaOH}$ then which of the following compounds is formed?	A. Ethyl alcohol B. Propyl alcohol C. Propyl amine D. Ethylamine
6	Question Image	A. Zn B. H C. S D. O
7	Purine derivative among the following bases is	A. Thymine B. Uracil C. Guanine D. Cytosine
8	The valence orbital configuration of an element with atomic number 23 is	A. 3d ⁵ B. 3d ³ , 4s ² C. 3d ³ , 4s ¹ , 4p ¹ D. 3d ² ,4s ² ,4p ¹
9	Photochemical smog is caused by	A. CO B. CO ₂ C. O ₃ D. NO ₂
10	Question Image	A. 154 pm B. 133 pm C. 120 pm D. 150 pm
11	Any property which depends upon the T.P and V is said to be	A. Property due to k.E. B. Property due to PE C. Both a and b D. Thermodynamic state
12	I-Chloropropane has two isomers, it is an example of	A. Chain isomerism B. Position isomerism C. Functional group isomerism D. Metamerism
13	The open chain compounds are also called	A. Aliphatic B. Alicylic C. Aromatic D. Both a and b
14	Which inorganic precipitate acts as semipermeable membrane?	A. Calcium sulphate B. Barium oxalate C. Nickel phosphate D. Copper ferrocyanide
		A. k

15	To determine the rate of reaction chemically a graphical method is applied. A graph is plotted between the amount or reactant decomposed or product formed against the time. The rate $d_{\cancel{N}} d_{\cancel{I}}$ any time is equal to	B. Langent θ C. 1/a, a is initial conc. D. 1/a ²
16	P ₂ O ₅ is heated with water to give	A. Hypophosphorus acid B. Phosphorus acid C. Hypophosphorus acid D. Orthophosphorus acid
17	AgCl is soluble is	A. Aqua regia B. H ₂ SO ₄ C. HCl D. NH ₃
18	One of the following statements is incorrect	A. Actual yeild is always less than the theoretical yield B. The formula of a compound is not definite C. Law of conservation of mass is applied in stoictiometry D. Boyles law is applied in stoichiometry
19	Ethanal may be converted into a three-carbon acid in a two-step process. Which compound is the intermediate	A. CH ₃ CO ₂ H B. CH ₃ CN C. CH ₃ CH ₂ CN D. CH ₃ CH(OH)CN
20	Acetamide is prepared by:	A. Heating ammonium acetate B. Heating methyl cyanide C. Heating ethyl acetate D. The hydrolysis of methyl cyanide