

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Which is in differnet phase form other metals	A. Ni B. Hg C. Cd D. Na
2	Each vertical column of the periodic table includes elements with chemical characteristics that are in general	A. Identical B. Similar C. Different D. Similar as well as different
3	Which of the following is an inert gas?	A. H ₂ B. O ₂ C. N ₂ D. Argon
4	The 95.5% mass of Lithosphone is made of 11 elements i.e. O_2 , Si, Al, Fe, Ca, Na, K, Mg, Ti, H_2 and P. which element is present in trace amount	A. lodine B. Bromine C. Lead D. Carbon
5	Poly hydroxyl compounds of aldehyde and ketones are:	A. Carbohydrates B. Proteins C. Fats D. Lipids
6	Aromatic aldehydes undergo disproportionation in presence of sodium or potassium hydroxide to give corresponding alcohol and acid. The reaction is known as	A. Wurtz reaction B. Cannizzaro reaction C. Friedel Craft reaction D. Claisen reaction
7	When nitrogen is 5.6 grams in NO_2 . then number of moles of NO_2 is	A. 0.5 B. 0.4 C. 0.04 D. 0.05
8	The mass of one mole of proton is	A. 1.008 g B. 0.184 g C. 1.673 g D. 1.008 mg
9	A limiting reactant is the one which	A. Is taken in lesser quantity in grams as compared to other reactants B. Is taken in lesser quantity in volume as compared to other reactants C. Gives the maximum amount of the product which is required D. Gives the minimum amount of the product under consideration
10	Which for the following has no dipole moment	A. HCI B. H ₂ S C. H ₂ O D. CO ₂
11	A pair of elements in the same family in the periodic classification is	A. Cl and C B. Ca and Al C. N and Ne D. Na and K
12	Which of the following is present in the stings of bees and wasps	A. Formic acid B. Citric acid C. Carbolic acid D. Formalin
13	Which one of the following substances is used to decolourizing agent	A. Abestos B. Animal charcoal C. conc. H2SO4 D. Silica gel
14	The molarity of the solution containing x grams (NH ₄) ₂ SO ₄ in 500 cm 3 of the solution is 0.6 what is x	A. 39.6 B. 45.1 C. 40.5 D. 42.7

15	[Co(NH ₃) ₆] ³⁺ will form structure	A. Square planar B. Tetrahedral C. Octahedral D. Trigonal bipyamidal
16	Hydrolytic reaction of fats by causic soda is known as	A. Acetylation B. Carboxylation C. Esterification D. Saponification
17	Purines include	A. Adenine B. Guanine C. Both a and b D. None
18	The number of atoms present in molecule determines its:	A. Molecularity B. Atomicity C. Basicity D. Acidity
19	Which of the following compounds gives trichoromethane on distilling with bleaching power?	A. Methanal B. Phenol C. Ethanol D. methanol
20	Formation of PVC form vinyl chloride is an example of	A. Substitution reaction B. Addition polymerization C. Condensational reaction D. Aldol condensation