

ECAT Chemistry Online Test

0	Overtions	Arrayana Ohaira
Sr	Questions	Answers Choice
1	Phosphide ion has the electronic structure similar to that of	A. Nitride ion B. Fluoride ion C. Sodium ion D. Chloride ion
2	How many alcohol (including both structural isomers and stereoisomers) can have the molecular formula $\text{C}_4\text{H}_{10}\text{O}$	A. 3 B. 4 C. 5 D. 6
3	Which enzyme is not involved in fermentation of strach	A. Diastase B. Zymase C. Urease D. Invertase
4	Which is not a method for solid waste management	A. Landfill B. Incinerating C. Recycling D. None of these
5	Atomic number of Al is 13. When it forms ionic bond with oxygen the number of electrons lost by 1 Al atom is	A. 1 B. 2 C. 3 D. 4
6	The nitrogen present in some fertilizers helps plants	A. To fight against disease B. To produce fat C. To undergo photosynthesis D. To produce protein
7	Carbolic acid is the other name for	A. Methanol B. Ethanol C. Propanol D. Phenol
8	The number of groups in the periodic table is	A. 6 B. 7 C. 8 D. 9
9	Question Image	A. 2 B. 3 C. 4 D. 9
10	A compound contains one atom of oxygen and % of O 34.78, then molecular mass of compound is	A. 46 B. 78 C. 110 D. 180
11	Hydrochloric acid available in the laboratory is 36% w/w. The density of HCl solution is $1.19~{\rm g}$ cm ⁻³ . The molarity of HCl solution is	A. 10.23 moles dm ⁻³ B. 11.55 moles dm ⁻³ C. 11.73 moles dm ⁻³ D. 12.67 moles dm ⁻³
12	When elements of group I react with the elements of group VIA theory form	A. lonic bond B. Covalent bond C. Polar bond D. None
13	The acid used in lead storage cells is	A. Phosphoric acid B. Nitric acid C. Sulphuric acid D. Hydrochloric acid
14	Baukelite is a polymer obtained from two monomers	A. Phenol and ethanol B. Phenol and methanol C. Phenol and methanal D. Phenol and acetone
15	Question Image	A. Reversible reaction B. Irreversible reaction C. Spontaneous reaction D. None of these

16	lodoethane reacts with sodium in ether, the product formed is	A. Pentene B. Propyne C. Butene D. Butane
17	The oxidation number of chromium in K ₂ Cr ₂ O ₇ is	A. 14 B. 12 C. 6 D. None of these
18	In fructose the possible optical isomers are	A. 12 B. 8 C. 16 D. 4
19	Colligative properties are the properties of :	A. Dilute solutions which behave as nearly ideal solutions. B. Concentrated solutions which behave as nearly non-ideal solution C. Both(i) and (ii) D. Neither (i) nor (ii)
20	Which of the following reactions is used for detecting presence of carbonyl group?	A. Reaction with hydroxylamine B. Reaction with hydrazine C. Reaction with phenyl hydrazine D. All