

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	3 moles of ethanol react with one mole of phosphorus tribromide to from 3 moles of bromoethane and on mole of X. Which of the following is X?	A. H ₃ PO ₄ B. H ₃ PO ₂ C. HPO ₃ D. H ₃ PO ₃
2	Series starting form 39Y to 48CD is in period:	A. 4th B. 5th C. 6th D. 7th
3	The ionization potential is lowest for the	A. Halogens B. Inert gases C. Alkaline earth metals D. Alkali metals
4	Number of sigma bonds in P ₄ O ₁₀ is	A. 6 B. 7 C. 17 D. 16
5	Question Image	A. K _p > K _c B. K _c > K _p C. K _p = K _c D. None of these
6	"Each different compound should have a different name" was published by IUPAC system of nomenclature in	A. 1892 B. 1830 C. 1947 D. 1979
7	Question Image	A. Primary alkyl halide B. Secondary alkyl halide C. Tertiary alkyl halide D. None of these
8	The alkynides are used for the of alkynes	A. Pxperation B. Purification C. Seperation D. All of above
9	Alkenes normally have geometry	A. Tetrachedral B. Linear C. Planer D. None
10	The silver bromide in hypo (Na ₂ S ₂ O _{3) solution is}	A. Soluble B. Not soluble C. Precipitated D. Not effect
11	Acidification of the soils due to addition of synthetic nitrogen fertilizer, is corrected by using	A. Gypsum B. Sodium nitrate C. Limestone D. Potassium nitrate
12	B.O.D is connected with	A. Organic matter B. Microbes C. Mircrobes and organic matter D. None of the above
13	Which of the following does not reflect the periodicity of elements?	A. Bonding behaviour B. Electronegativity C. Ionisation potential D. Neutral/proton ratio
14	A compound is soluble in conc. H_2SO_4 , it does not decolourise bromine in carbon tetrachloride but is oxidized by chromic anhydride in aqueous sulphuric acid within two seconds, turning orange solution to blue, green and then opaque. The original compound is	A. Primary alcohol B. Tertiary alcohol C. alkene D. ether
15	Ascorbic acid contains 40.92% carbon, 4.58%, hydrogen and 54.4% oxygen. The	A. C ₃ H ₄ O ₃ B. C ₂ H ₄ O ₃

	empirical formula is	C. C ₃ H ₅ O ₄ D. C ₂ H ₃ O ₁
16	An electrochemical cell is based upon	A. Acid-base reaction B. Redox reaction C. Nuclear reaction D. None of the above
17	Synthetic rubber is made by polymerization of	A. Chloroform B. Acetylene C. Divinlacetylene D. Butene
18	The charge of an electron is determined by	A. J.J. Thomson B. Crooks C. Perrin D. R.A.Millikan
19	Acetic acid is miscible in:	A. Water B. Alcohol C. Either D. All of these
20	Which of the following is a non-typical transition elements	A. Cr B. Mn C. Zn D. Fe