

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Number of sigma bonds in P ₄ O ₁₀ is	A. 6 B. 7 C. 17 D. 16
2	Sodium should be stored in	A. Air free from moisture B. Air free form carbon dioxide C. Under water D. Under kerosene oil
3	Question Image	A. Favour the formation of N ₂ O ₄ B. Favour the decomposition of N ₂ O ₄ C. Not alter the equilibrium D. Stop the reaction
4	Which one of the following is weakest inter molecular force?	A. Dipole induced dipole forces B. Ionic dipole forces C. Electrostatic forces b/w ions D. Dipole dipole forces
5	Which one of the following is (m-xylene)	A. 1,2 dimethyl benzene B. 1,3 dimethyl benzene C. 1,5 dimethyl benzene D. 1,4 dimethyl benzene
6	For the reaction : NaOH + HCl-----> NaCl + H ₂ O the change in enthalpy is called:	A. Heat of reaction. B. Heat of formation. C. Heat of neutralization. D. Heat of combustion.
7	In Millikan method for determination of charge on electron the air in the chamber is ionized by	A. Protons B. Electric field C. X-rays D. a - particles
8	Saponification of ethyl benzoate with caustic soda	A. Benzyl alcohol, ethanoic acid B. Sodium benzoate, ethanol C. Benzoic acid, sodium ethoxide D. Phenol, ethanoic acid
9	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
10	Question Image	A. 0 B. 1 C. 2 D. 3
11	In 1000 molecules of 0.001 M acetic acid the number of H ⁺ ions is 12.6, then its percentage of ionization is	A. 1.33% B. 1.26% C. 12.6 D. 1%
12	Oxalic acid oxidizes to:	A. CO B. CO ₂ C. Oxalates D. None of these
13	Odour of alkene is:	A. Fruity B. Odourless C. Zalic like D. Irritating
14	Acetic acid is manufactured by:	A. Distillation B. Fermentation C. Ozonolysis D. Esterification
15	The wave number of the line emitted is 109.678 x 10 ⁵ m ⁻¹ in the Lyman series when electron transition occurs	

16	Which one of the following compounds does not have the empirical formula CH_2O ?	<p>A. Ethanoic acid, $\text{CH}_3\text{CO}_2\text{H}$</p> <p>B. Ethanol, $\text{CH}_3\text{CH}_2\text{OH}$</p> <p>C. Glucose, $\text{C}_6\text{H}_{12}\text{O}_6$</p> <p>D. Methanal, HCHO</p>
17	When a nitrogenous base combine with a sugar it is called	<p>A. Ribose</p> <p>B. Nucleotides</p> <p>C. Nucleoside</p> <p>D. None</p>
18	In the ground state, an element has 13 electrons in its M shell. The element is	<p>A. Copper</p> <p>B. Chromium</p> <p>C. Nickel</p> <p>D. Iron</p>
19	Urea has concentration when prepared before prilling	<p>A. 46%</p> <p>B. 82%</p> <p>C. 99.7%</p> <p>D. 100%</p>
20	Aromatic compounds burn with sooty flame cause:	<p>A. They have high percentage of hydrogen</p> <p>B. They have ring structure</p> <p>C. They have high percentage of carbon</p> <p>D. They resist reaction with air</p>