

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The reaction of 4-bromobenzyl chloride with NaCN in ethanol leads to	A. 4-Bromobenzyl cyanide B. 4-Cyanobenzyl chloride C. 4-Cyanobenzyle cyanide D. 4-Bromo 2-cyanobenzyl chloride
2	Estimation of Na in sea water is an example of	A. Numerical analysis B. Qualitative analysis C. Quantitative analysis D. None of above
3	Which of the following contains single bonds	A. Benzene B. Alkyne C. Alkene D. Alkane
4	Forms of waste products :	A. Heat B. Smoke C. Solid D. All of these
5	The electrolytic cell used for the production of metallic sodium is known as	A. Down's cell B. Solvay's cell C. Haber's cell D. None of these
6	Which of the following is hypnotic?	A. Acetaldehyde B. Metaldehyde C. Paraldehyde D. None
7	The organic compound, alcohols are much closer to, in structure and hence is also called its derivative:	A. Water B. Oxidizes of lithium oxides C. Oxidizes of magnesium D. Oxidizes of aluminium
8	Scientific study of fermentation was first made by	A. Buchner B. Liebig C. Biot D. Pasteur
9		A. N_2O_4 is limiting reactant B. N_2H_4 is the limiting reactant C. Reactants are completely converted to the products D. Reactions is reversible
10	A colloidal gel is	A. $3Ca, Al_2O_3$ B. $CaSO_4 \cdot 2H_2O$ C. $3CaAl_2O_3 \cdot 3CaSO_4 \cdot 2H_2O$ D. $3Ca, Al_2O_3 \cdot 6H_2O$
11	Structure of P_4 is	A. Trigonal B. Tetragonal C. Hexagonal D. Monoclinic
12	Aspirin is	A. Acetyl salicylic acid B. Phenyl salicylic acid C. Salicylic acid D. Benzoic acid
13	The reagent which forms crystalline osazone derivative when treated with glucose is	A. Fehling solution B. Phenyl hydrazine C. Benedict solution D. Hydroxyl amine
14	The process in which water molecules surround solute particles is called	A. Hydration B. Salvation C. Hydrolysis D. Dehydration
15	What is the total number of different chloroethanes of formula $C_2H_6-nCl_n$ possible (n may be 1 to 6)	A. 6 B. 8 C. 9 D. 10

16	$\text{N}_2 + 3\text{H}_2 \rightleftharpoons 2\text{NH}_3$ <p>The unit of K_c for this reaction will be:</p>	<p>A. $\text{mol}^{-2} \text{dm}^{-6}$</p> <p>B. $\text{mol}^{-2} \text{dm}^{+6}$</p> <p>C. $\text{mol}^{-3} \text{dm}^{-3}$</p> <p>D. $\text{mol}^{-1} \text{dm}^{+3}$</p>
17	The noble gases are	<p>A. Mono atomic</p> <p>B. Diatomic</p> <p>C. Polyatomic</p> <p>D. All</p>
18	The relative abundance of the ions with a definite m/e value is measured by	<p>A. High pressure of vapours</p> <p>B. Strength of electric current measured</p> <p>C. Quantity of fast moving electrons</p> <p>D. Electron gas</p>
19	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>
20	The structure of ICl_2 is	<p>A. Trigonal</p> <p>B. Trigonal bipyramidal</p> <p>C. Octahedral</p> <p>D. Square planar</p>