

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The wave length of visible light is 500 nm. In S.I. unit this value is	A. 5×10^{-8} m B. 5×10^{-9} m C. 500×10^{-7} m D. 500×10^{-9} m
2	Aromatic hydrocarbons are derivatives of	A. normal series of paraffins B. alkene C. benzene D. cyclohexane
3	In which of the following cases, the reaction goes farthest to completion	A. $K = 10^3$ B. $K = 10^2$ C. $K = 10$ D. $K = 10^0$
4	Which one of the following statements about glucose and sucrose is incorrect?	A. Both are soluble in water B. Both are naturally occurring C. Both are carbohydrates D. Both are disaccharides
5	What is the cause of water pollution	A. Chemical and bacterial contents in live stock B. The spilled oil in rivers and ponds C. Wide spread use of pesticides D. All of the above
6	I-Phenylethanol can be prepared by reaction of benzaldehyde with	A. Methyl iodide and Magnesium B. Methyl bromide C. Methyl bromide and AlBr_3 D. $\text{C}_2\text{H}_5\text{I}$ and Mg
7	The monomeric units of starch is/are	A. Glucose B. Fructose C. Glucose and fructose D. Mannose
8	The cell in which a non-spontaneous redox reaction takes place as a result of electricity is known as :	A. Electrolytic cell. B. Voltaic cell. C. Daniel cell. D. Dry cell.
9	Size of an anion is increased as compared to its atom because of the	A. Addition of new shell B. Repulsion of electrons in the valence shell C. Decrease in nuclear charge D. Increase in the nuclear charge
10	Electrons in degenerate orbitals are placed in separate orbitals with same spin according to	A. Hund's rule B. Pauli exclusion principle C. Aufbau principle D. Mosley's law
11	SO_2 is not absorbed in water directly to form H_2SO_4 because:	A. The reaction does not go to completion B. the reaction is quite slow C. the reaction is exothermic D. SO_3 is insoluble in water
12	Which of the following possesses linear geometry	A. Alkane B. Alkene C. Alkyne D. Benzene
13	The statement that the properties of every eighth element are similar to the first is the law of	A. Dobereiner B. Newland C. Mendeleev D. L. Meyer
14	Of the following which is a step growth polymer	A. Bakelite B. Polyethylene C. Teflon D. PVC
15	The mass of the neutron is of the order of	A. 10^{-23} kg B. 10^{-24} kg C. 10^{-26} kg D. 10^{-27} kg

16	The subject matter of first law of thermochemistry is based on:	<p>A. First law of Thermochemistry. B. First law of Thermodynamics. C. Second law of Thermochemistry. D. Second law of Thermodynamics.</p>
17	Which of the following is an electrophile	<p>A. Bromine B. KBr C. NH_3 D. Benzene</p>
18	Phenol was discovered by:	<p>A. Hofmann B. Runge C. Henderson D. Bakelite</p>
19	Which compound has the maximum repulsion with water?	<p>A. C_6H_6 B. $\text{C}_2\text{H}_5\text{OH}$ C. $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$ D. $\text{CH}_3\text{---O---CH}_3$</p>
20	Formation of a cation is:	<p>A. Exothermic process B. Non-endothermic process C. Endothermic process D. None of above</p>