

ECAT Chemistry Chapter 19 Aliphatic Hydrocarbons

Sr	Questions	Answers Choice
1	Alkyl benzenes are readily oxidized by acidified	A. KMnO_4 B. K_2CO_3 C. MnO_4^- D. H_2SO_4
2	The C-C bond angles in benzene ring are	A. 119° B. 120° C. 121° D. None
3	When methane reacts with Cl_2 in the presence of diffused light the products obtained are?	A. Chloroform only B. Carbon tetrachloride only C. Chloromethane and dichloromethane D. Mixture of a,b,c
4	"Each different compound should have a different name" was published by IUPAC system of nomenclature in	A. 1892 B. 1830 C. 1947 D. 1979
5	The compound prepared by a substitution reaction of benzene is	A. Acetophenone B. Glyoxal C. Cyclohexane D. Hexabromo cyclohexane
6	The next homologue of $\text{C}_{10}\text{H}_{22}$ will be	A. C_9H_{20} B. $\text{C}_{12}\text{H}_{26}$ C. $\text{C}_{11}\text{H}_{24}$ D. $\text{C}_{13}\text{H}_{28}$
7	The addition of unsymmetrical reagent to an unsymmetrical alkene is in accordance with	A. Hund's rule B. Markownikov's rule C. Pauli's Exclusion principle D. Auf ban principle
8	Acetylene gives	A. White ppt. with ammonical AgNO_3 and red ppt. with ammonical $\text{Cu}(\text{NO}_3)_2$ B. White ppt. with ammonical AgNO_3 and red ppt. with ammonical Cu_2C C. White ppt. with both D. Red ppt. with both
9	The method involved for electrolysis of Na or K salts of carboxylic acids	A. Sabatier's sendrens reaction B. Kolbe's method C. Clemmensen D. Wolf kishner reduction
10	In which one of the following compound rings are not fused together at ortho positions	A. Phenanthrene B. Naphthalene C. Diphenyemethane D. Anthracene
11	An alkane is produced when an alkyle halide reacts with zinc in the presence of	A. HCl B. CH_3COOH C. Both a & b D. None
12	Acetylene is used in the manufacture of	A. Rubber B. Plastic C. Ethyle alcohol D. All of these
13	Benzene has a ----- structure	A. Pentagonal B. Hexagonal C. Heptagonal D. Tetragonal

14	When sodium benzoate is treated with soda lime (NaOH) benzene is formed. What is the other product	<p>A. Na_2CO_3</p> <p>B. NaHCO_3</p> <p>C. $\text{Ca}(\text{OH})_2$</p> <p>D. CaCO_3</p>
15	Hybridization in alkanes is:	<p>A. sp</p> <p>B. sp^2</p> <p>C. sp^3</p> <p>D. dsp^2</p>
16	The hydrocarbon which is used as an illuminating agent	<p>A. Methane</p> <p>B. Methene</p> <p>C. Methyne</p> <p>D. B & C</p>
17	Toluene is also called	<p>A. Hydroxyl benzene</p> <p>B. Methyl benzene</p> <p>C. ethyl benzene</p> <p>D. None</p>
18	During nitration of benzene, the active nitrating agent is	<p>A. NO_3</p> <p>B. NO_2^+</p> <p>C. NO_2^-</p> <p>D. HNO_3</p>
19	Ethylene can be prepared in the laboratory by heating together ethyl alcohol and	<p>A. HCl</p> <p>B. Phenol</p> <p>C. HF</p> <p>D. H_2SO_4</p>
20	The order of reactivity of halogens in aliphatic substitution reactions is	<p>A. $\text{Br}_2 > \text{Cl}_2 > \text{F}_2$</p> <p>B. $\text{Cl}_2 > \text{Br}_2 > \text{F}_2$</p> <p>C. $\text{Cl}_2 > \text{Br}_2$</p> <p>D. $\text{F}_2 > \text{Br}_2 > \text{Cl}_2$</p>