

ECAT Chemistry Chapter 19 Aliphatic Hydrocarbons

Sr	Questions	Answers Choice
1	An alkane is produced when an alkyl halide reacts with zinc in the presence of	A. HCl B. CH_3COOH C. Both a & b D. None
2	Hydrocarbon which is liquid at room temperature is	A. Pentane B. Butane C. Propane D. Ethane
3	Substitution of halogen in the benzene ring requires catalyst	A. AlCl_3 B. FeCl_3 C. SiO_2 D. Organo - nickel
4	Kolb's method is not useful for the production of	A. Methane B. Ethane C. Propane D. Butane
5	When acetylene is passed through a copper tube at 300°C , it polymerizes to	A. Polyacetylene B. polyethylene C. Benzene D. None of these
6	The benzene molecule contains	A. Three double bonds B. Two double bonds C. One double bonds D. Delocalized π -electron charge
7	Aromatic hydrocarbons are the derivatives of	A. Normal series of paraffins B. Alkene C. Benzene D. Cyclohexane
8	The Total coal resources of Pakistan are estimated to be	A. 184 billion B. 184 million tones C. 1.84 billion tonnes D. 1.84 million tonnes
9	Synthesis rubber is made by polymerization :	A. Chloroform B. Acetylene C. Divinyl acetylene D. Butene
10	Hybridization in alkanes is:	A. sp B. sp^2 C. sp^3 D. dsp^2
11	The three alternate single and double bonds in the benzene ring are called	A. Conjugate bonds B. Resonating bonds C. Both A and B D. None of above
12	Preparation of ethylbenzene by the reaction of bromobenzene, ethylbromide and sodium is called	A. Wurtz reaction B. Fitting reaction C. Wurtz fitting reaction D. None of these
13	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
14	When sodium benzoate is treated with soda lime (NaOH) benzene is formed. What is the other product	A. Na_2CO_3 B. NaHCO_3 C. $\text{Ca}(\text{OH})_2$ D. CaCO_3
		A. White ppt. with ammonical AgNO_3 and red ppt. with ammonical $\text{Cu}(\text{NO}_3)_2$

15	Acetylene gives	B. White ppt. with ammonical AgNO_3 and red ppt. with ammonical Cu_2C_12 C. White ppt. with both D. Red ppt. with both
16	Which one of the following gases is used for artificial ripening of fruits	A. Ethene B. Ethane C. Methane D. Propane
17	The order of dehydration of alcohol	A. $10 > 20 > 30$ B. $10 > 30 > 20$ C. $20 > 30 > 10$ D. $30 > 20 > 10$
18	The reaction-method that does not give an alkane is	A. Catalytic hydrogenation of alkanes B. Wurtz reaction C. Hydrolysis of alkyl magnesium bromide D. Dehydrohalogenation of an alkyl halide
19	Vinyl acetylene combines with HCl to form	A. Poly acetylene B. Benzene C. Chloroprene D. Divinylacetylene
20	Benzene does not undergo	A. Substitution reaction B. Addition reaction C. Oxidation reaction D. Elimination reaction