

## ECAT Chemistry Chapter 19 Aliphatic Hydrocarbons

Sr	Questions	Answers Choice
1	When methane reacts with $\text{Cl}_2$ 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
2	Kolb's method is not useful for the production of	A. Methane B. Ethane C. Propane D. Butane
3	Complete combustion of alkane yields	A. $\text{CO}_2 + \text{H}_2\text{O}$ B. $\text{CO}_2 + \text{heat}$ C. $\text{CO} + \text{H}_2\text{O}$ heat D. $\text{CO}_2 + \text{H}_2\text{O} + \text{heat}$
4	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
5	Mustard gas is a :	A. Gas B. Liquid C. Solid D. High boiling point
6	Benzene is obtained from benzene sulphonic acid by treating with	A. HCl B. NaOH C. $\text{H}_2\text{O}$ D. $\text{NaHCO}_3$
7	Meta directing group decreased the ----- of benzene ring	A. Physical activity B. Chemical reactivity C. Density D. None
8	When methane reacts with $\text{Cl}_2$ 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
9	Synthesis rubber is made by polymerization :	A. Chloroform B. Acetylene C. Divinyl acetylene D. Butene
10	Synthesis of rubber is made by polymerization of	A. Chloroform B. Acetylene C. Divinylacetylene D. Butene
11	For preparing an alkane, a concentrated aqueous solution of sodium or potassium salt of saturated carboxylic acid is subjected to	A. Hydrolysis B. Oxidation C. Hydrogenation D. Electrolysis
12	Free radical mechanism of halogenation of alkanes follow step:	A. Initiation B. Propagation C. Termination D. All of these
13	The C-C bond angles in benzene ring are	A. $119^\circ$ B. $120^\circ$ C. $121^\circ$ D. None

14	Preparation of vegetable ghee involves:	A. Halogenation B. Hydrogenation C. Hydroxylation D. Dehydrogenation
15	Substituted phenyl groups are called	A. acyl groups B. phenyl groups C. Aryl groups D. Alkyle groups
16	The stability of acromatic compounds decreases with ----- in the no. of its resonance structure	A. Decrease B. Increase C. Remain constant D. Partially decreases
17	Synthetic rubber is made by polymerization of	A. Chloroform B. Acetylene C. Divinylacetylene D. Butene
18	Most common reactions of benzene and its derivatives are	A. electrophilic addition reactions B. <b>electrophilic substitution reactions</b> C. Nucleophilic addition reactions D. Nucleophilic substitution reactions
19	Alkanes are generally not reactive towards acids, alkalis, oxidation or reuducing agents. They however undergo some reactions, which one is the reaction undergone by alkanes	A. Elimination B. Addition C. <b>Free radical substitution</b> D. Nucleophilic substitution
20	The treatment of benzene with isobutene in the presence of sulphuric acid give	A. isobutyl benzene B. tert-Butyl benzene C. n- Butyl benzene D. <b>no reaction</b>