

## ECAT Chemistry Chapter 19 Aliphatic Hydrocarbons

Sr	Questions	Answers Choice
1	When methane reacts with Cl <sub>2</sub> 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	The saturated hydrocarbons usually end with suffix _____	A. Ane B. Ene C. Yne D. Oic
3	Ethylene decolorizes cold dilute solution of KMnO <sub>4</sub> . This test is known as	A. Colouration test B. Baeyer's test C. Silver mirror test D. Ring test
4	De halogenation of tetrahalides happens in the presence of active metal like	A. Zn B. Mg C. Both a and b D. None of them
5	The simplest and the parent members of aromatic hydrocarbon is	A. Benzene B. Toluene C. Biphenylis D. Naphthalene
6	Hydrocarbons are organic compounds which contain elements such as	A. Hydrogen B. Carbon C. Hydrogen and carbon D. Halogens
7	Aromatic hydrocarbons are the derivatives of	A. Normal series of paraffins B. Alkene C. Benzene D. Cyclohexane
8	The electron releasing effect of methyl group is significant and it makes ring a good	A. Electrophilic B. Nucleophilic C. Nucleophobic D. Hydrophobic
9	Mustard gas is a :	A. Gas B. Liquid C. Solid D. High boiling point
10	Alkyne is :	A. CH <sub>3</sub> -CH <sub>3</sub> B. CH <sub>4</sub> C. CH <sub>2</sub> = CH <sub>2</sub> D. C <sub>2</sub> H <sub>2</sub>
11	Kolb's method of alkanes production, is actually	A. Hydrolysis B. Catalysis C. Electrolysis D. Hydrogenation
12	Sulphuric acid generates nitronium ion by reacting with	A. Nitric acid B. Nitrogen gas C. Nitrous acid D. Potassium nitrate
13	Hybridization of each carbon atom in benzene ring is	A. sp hybridized B. sp <sup>2</sup> hybridized C. sp <sup>3</sup> D. dsp <sup>2</sup>
14	Alkanes are gases :	A. C <sub>1</sub> -C <sub>4</sub> B. C <sub>5</sub> -C <sub>10</sub> C. C <sub>11</sub> -C <sub>15</sub> D. C <sub>10</sub> -C <sub>20</sub>
15	Write the name of following compound	A. 5 - methyle - 2 - hexene B. 2 - methyle hexene C. 4 - ethyle - 2 - methyle hexene

16	The geometry of acetylene is	A. Angular B. Bent C. Trigonal D. Linear
17	Which is liquid among the following alkenes?	A. Ethane B. Propene C. Butene D. Pentene
18	Amongst the following the compound that can be most readily sulphonated is	A. Toluene B. Benzene C. Nitrobenzene D. Chlorobenzene
19	The hydrocarbon used for polymerization is	A. Alkanes B. Alkenes C. Alkynes D. All of above
20	The correct order of reactivity of halogens with alkanes is	A. $I_2$ > $Br_2$ > $Cl_2$ > $F_2$ B. $I_2$ > $Cl_2$ > $F_2$ > $Br_2$ C. $F_2$ > $Cl_2$ > $I_2$ > $Br_2$ D. $F_2$ > $Cl_2$ > $Br_2$ > $I_2$