

ECAT Chemistry Chapter 19 Aliphatic Hydrocarbons

Sr	Questions	Answers Choice
1	Ethylene decolorizes cold dilute solution of KMnO_4 . This test is known as	A. Colouration test B. Baeyer's test C. Silver mirror test D. Ring test
2	Formula of chloroform is:	A. CH_3Cl B. CCl_4 C. CH_2Cl_2 D. CHCl_3
3	Substituted phenyl groups are called	A. acyl groups B. phenyl groups C. Aryl groups D. Alkyle groups
4	Acetylene when treated with 10% H_2SO_4 in the presence of HgSO_4 adds one molecule of water to form	A. Aldehydes B. Esters C. Alcohols D. Acids
5	The major reaction occurring in the engines of automobiles is	A. Oxidation B. Reducing C. Combustion D. Decomposition
6	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
7	Alkene general formula :	A. $\text{C}_n\text{H}_{2n+2}$ B. C_nH_{2n} C. $\text{C}_n\text{H}_{2n-2}$ D. $\text{C}_n\text{H}_{2n+1}$
8	Benzene is obtained by fractional distillation of	A. Heavy oil B. Anthracene oil C. Middle oil D. Light oil
9	β - β - dichloroethyle sulphide is commonly known as:	A. Mustared gas B. Laughing gas C. Phosgene gas D. Bio gas
10	Which gas is produced by treating CaC_2 with water	A. Methane B. Ethane C. Acetylene D. HCl
11	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. $\text{C}_{13}\text{H}_{28}$
12	Catalytic oxidation of alkanes is used for the preparation of	A. Adehydes B. Ketones C. Fatty acid D. Carboxylic acids
13	The benzene molecule contains	A. Three double bonds B. Two double bonds C. One double bonds D. Delocalized π -electron charge
14	Which of the following possesses the highest melting point?	A. Chlorobenzene B. O-Dichlorobenzene C. m-Dichlorobenzene D. p-Dichlorobenzene
15	Which reaction sequence would be best to prepare 3-chloro-aniline from benzene?	A. Chlorination, nitration, reducing B. Nitration, chlorination, reduction C. Nitration, reduction, chlorination D. Nitration, reduction, acylation,

chlorination, hydrolysis

16	Which is the used as test for the presence of alkenes	A. Reaction of cold dilute alkaline KMnO_4 B. Combustion C. Polymerization D. Catalytic hydrogenation
17	Synthesis of rubber is made by polymerization of	A. Chloroform B. Acetylene C. Divinylacetylene D. Butene
18	Benzene is obtained from benzene sulphonic acid by treating with	A. HCl B. NaOH C. H_2O D. NaHCO_3
19	The order of reactivity of halogens in aliphatic substitution reactions is	A. Br_2 > Cl_2 > F_2 B. Cl_2 > Br_2 > F_2 C. Cl_2 > Br_2 D. F_2 > Br_2 > Cl_2
20	Which of the following is not aromatic hydrocarbon	A. Benzene B. Naphthalene C. Toluene D. Cyclohexene