

ECAT Chemistry Chapter 19 Aliphatic Hydrocarbons

Sr	Questions	Answers Choice
1	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. no reaction
2	The hydrocarbons having double bonds normally end with suffix	A. Ane B. Ene C. Yne D. Oic
3	Which is more active ?	A. Alkanes B. Alkenes C. Alkynes D. Benzene
4	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
5	Question Image <input style="width: 200px; height: 20px;" type="text"/>	A. Pent -1-ene-3-yne B. 2-pentyne-4-ene C. 1-pentene-3-yne D. Pent-2-yen-4-ene
6	Which of the following decolorized Br ₂ -water	A. Methane B. Ethane C. Ethene D. Propane
7	The presence of a double bond in a compound is the sign of	A. Saturation B. Unsaturation C. Substitution D. None of above
8	When n-hexane is heated in the presence of Pt at 500°C, it cyclists to give	A. Benzene B. Cyclohexene C. Benzene D. Toluene
9	The nitration of benzene takes place when it is heated with a mixture of conc.HNO ₃ and conc. H ₂ SO ₄ at 50°C in ratio of	A. 1 : 2 B. 1 : 1 C. 1 : 3 D. 2 : 1
10	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
11	Th IUPAC name of the compound having formula (CH ₃) ₃ C - CH = CH ₂ is	A. 1, 1-Dimethyl-3-butene B. 1, 1, 1-Trimethyl-3-propene C. 3, 3,-Dimethyl-1-butene D. 3,3,3,-Trimethyl-1-propene
12	Hydrocarbons are organic compounds which contain elements such as	A. Hydrogen B. Carbon C. Hydrogen and carbon D. Halogens
13	Question Image <input style="width: 200px; height: 20px;" type="text"/>	A. 4-methyl pentene B. 2-methyle-1-butene C. 2-methyl propane D. None of the above
14	C ₁₈ and onward hydrocarbons are normally	A. Gases B. Liquids C. Solids D. Plasma

15	All C - H bond lengths of benzene ring is	<p>B. 1.09 Å</p> <p>C. 1.08 Å</p> <p>D. None</p>
16	How many isomeric disubstituted products are obtained by the introducing of second group in the ring	<p>A. Two</p> <p>B. Three</p> <p>C. Four</p> <p>D. None</p>
17	To differentiate isomers we use	<p>A. n-</p> <p>B. iso-</p> <p>C. neo</p> <p>D. All of them</p>
18	An organic compound, on treatment with Br ₂ in CCl ₄ gives bromoderivative of an alkene. The compound will be	<p>A. CH₃ - CH = CH₂</p> <p>B. CH₃CH = CHCH₃</p> <p>C. HC = CH</p> <p>D. H₂C = CH₂</p>
19	Mustard gas is a :	<p>A. Gas</p> <p>B. Liquid</p> <p>C. Solid</p> <p>D. High boiling point</p>
20	Alkyl halides when reduced with nascent hydrogen in the presence of Zn + HCl, are converted to	<p>A. Alkynes</p> <p>B. Alkenes</p> <p>C. Alkanes</p> <p>D. Alcohol</p>