

ECAT Chemistry Chapter 19 Aliphatic Hydrocarbons

Sr	Questions	Answers Choice
1	Benzene can be obtained by heating either benzoic acid with X or phenol with Y. X and Y are respectively	A. Zinc dust and soda lime B. Soda lime and zinc dust C. Zinc dust and sodium hydroxide D. Soda lime and copper
2	The hydrocarbon which is used as an illuminating agent	A. Methane B. Methene C. Methyne D. B & C
3	Question Image	A. 2, 3-dimethylbutane B. 2, 3-methylbutane C. 2-dimethylbutane D. Dimethylbutane
4	Alkene general formula :	A. C_nH_{2n+2} B. C_nH_{2n} C. C_nH_{2n-2} D. C_nH_{2n+1}
5	The addition of unsymmetrical reagent to unsymmetrical alkene is in accordance with the rule:	A. Hund's rule B. Markownikov's rule C. Pauli's Exclusion Principle D. Aufbau Principle
6	All C - H bond lengths of benzene ring is	A. 1.07 \AA B. 1.09 \AA C. 1.08 \AA D. None
7	Which is used as test for the presence of alkenes	A. Reaction of cold dilute alkaline KMnO_4 B. Combustion C. Polymerization D. Catalytic hydrogenation
8	Polymerization of ethane takes place at a pressure of 100 atm and a temperature of	A. 200°C B. 400°C C. 600°C D. 800°C
9	The molecule of ethane possesses which hybridization	A. sp^3 B. sp^2 C. sp D. sp^2d
10	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. Ca(OH)_2 D. CaCO_3
11	The elimination of HX from adjacent carbon atoms is called	A. Halogenation B. Hydrohalogenation C. Dehydrohalogenation D. Hydration
12	Which of the following reaction is characteristic of benzene	A. Electrophilic substitution reaction B. Reduction C. Oxidation D. Ozonolysis

13	Amongst the following the compound that can be most readily sulphonated is	A. Toluene B. Benzene C. Nitrobenzene D. Chlorobenzene
14	Alkanes have functional group :	A. ----X B. --OH C. ----COH D. No functional group
15	How many isomeric disubstituted products are obtained by the introducing of second group in the ring	A. Two B. Three C. Four D. None
16	B-B'-dichloroethyl sulphide is commonly known as	A. Mustard gas B. Laughing gas C. Phosgene gas D. Bio gas
17	Which of the following is an ortho-para directing group	A. As a fuel B. For the preparation of haloalkanes C. For the preparation of methyl alcohol D. For the preparation of sulphuric acid
18	What is not a common use of methane	A. Methane B. Ethane C. Ethene D. Propane
19	Which of the following decolorized Br_2 -water	A. n-Heptane B. Isooctane C. n-Hexane D. Isoheptane
20	Octane number is zero for	