

ECAT Chemistry Chapter 19 Aliphatic Hydrocarbons

Sr	Questions	Answers Choice
1	Most common reactions of benzene and its derivatives are	A. electrophilic addition reactions B. electrophilic substitution reactions C. Nucleophilic addition reactions D. Nucleophilic substitution reactions
2	Which of the following possesses the highest melting point?	A. Chlorobenzene B. O-Dichlorobenzene C. m-Dichlorobenzene D. p-Dichlorobenzene
3	Vinyl acetylene combines with HCl to form:	A. Polyacetylene B. Benzene C. Chloroprene D. Divinyl acetylene
4	Substituted phenyl groups are called	A. acyl groups B. phenyl groups C. Aryl groups D. Alkyl groups
5	Alkanes are gases :	A. C₁-C₄ B. C ₅ -C ₁₀ C. C ₁₁ -C ₁₅ D. C ₁₀ -C ₂₀
6	The method used only for the production of symmetrical alkanes	A. Kolb's method B. Clemmensen C. Cannizzaro D. Wolf kishner
7	When benzene is burnt in free supply of air, it is completely oxidized to	A. CO B. CO₂ + H₂O C. H ₂ CO ₃ D. None
8	Which one gives acidic reactions?	A. CH ₃ -C B. CH ₂ -CH=CH- C. CH ₃ -CH=CH- D. CH ₃ -C≡CH
9	The presence of a double bond in a compound is the sign of	A. Saturation B. Unsaturation C. Substitution D. None of above
10	Replacement of hydrogen by NO ₂ group is called	A. Sulphonation B. Hydration C. Nitration D. Cracking
11	Ethylene polymerizes at 100 atm pressure and 400°C to give	A. Polybenzene B. Polyalcohol C. Polypropylene D. Polyethylene
12	When n-hexane is heated in the presence of Pt at 500°C, it cyclizes to give	A. Benzene B. Cyclohexene C. Benzene D. Toluene
13	The general formula of alkane is	A. C_nH_{2n+2} B. C _n H _n C. C _n H _{2n} D. C ₂ H _{2n-1}

14	When an aqueous solution of potassium salt of monocarboxylic acid is subjected to electrolysis, corresponding alkane is formed. This reaction is known as	A. Cannizzaro reaction B. Sabatier-secdereens reaction C. Alkylation D. Kolbe's reaction
15	The order of dehydration of alcohol	A. 10> 20> 30 B. 10> 30> 20 C. 20> 30> 10 D. 30> 20> 10
16	Octane number can be changed by	A. Isomerisation B. Alkylation C. Cyclisation D. All of these
17	Benzene does not undergo polymerization and it is also resistant to	A. Reduction B. Oxidation C. Alkylation D. Ozonolysis
18	Zn + HCl are used in	A. Clemenson reduction B. Wof kishner reduction C. Kolb's electrolysis D. Wutruz reaction
19	The major reaction occurring in the engines of automobiles is	A. Oxidation B. Reducing C. Combustion D. Decomposition
20	Which of the following is not an ortho-para directing group	