ECAT Chemistry Chapter 19 Aliphatic Hydrocarbons

Sr	Questions	Answers Choice
1	Alkanes containing carbon C_{18}ownwards are	A. Gases B. Liquids C. Waxy solids D. Solids
2	Alkene general formula :	A. C_nH_{2n+2} B. C_nH_{2n} C. C_nH_{2n-2} D. C_nH_{2n+1}
3	Which of the following reaction is characteristic of benzene	A. Electrophilic substitution reaction B. Reduction C. Oxidation D. Ozonolysis
4	Which of the following is not an electrophitic substitution reaction of benzene	A. Nitration B. Sulphonation C. Fridel-Craft alkylation D. Free radical chlorination of benzene
5	Which of the following is not an ortho-para directing group	
6	The C-C bond angles in benzene ring are	A. 119° B. 120° C. 121° D. None
7	The alkynides are used for the ---------- of alkynes	A. Pxperation B. Purification C. Seperation D. All of above
8	The method involved for electrolysis of Na or K salts of carboxylic acids	A. Sabatier's sendrens reaction B. Kolbe's method C. Clemmensen D. Wolf kishner reduction
9	Alkyl benzenes are readily oxidized by axidfied	A. KMnO₄ B. K₂CO₃ C. MnO₄ D. H₂SO₄
10	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
11	Which is liquid among the following alkenes?	A. Ethane B. Propene C. Butene D. Pentene
12	Which of the following acid can be used as a catalyst in Friedal Craft's reactions	A. AlCl₃ B. HNO₃ C. BeCl₂ D. NaCl
13	The electron releasing effect of methyl group is significant and it makes ring a good	A. Electrophilic B. Nucleophilic C. Nucleophobic D. Hydrophobic
14	Alkenes normally have _____ geometry	A. Tetrachedral B. Linear C. Planer D. None

15	If we remove one hydrogen atom from an alkane we obtain a group called	A. Acetyle group B. Formyle group C. Alkyle group D. Ketyle group
16	The process in which orbitals of different energies and shapes mix with each other to give equivalent hybrid orbitals is called	A. Isomerization B. polymerization C. Hybridization D. Resonance
17	Benzene was discovered by Michael Faraday's in	A. 1824 B. 1825 C. 1826 D. 1827
18	Sp^3hybird orbitals are oriented at an angle of	A. 107.5° B. 108.5° C. 109.5° D. 103.5°
19	Alkyne is :	A. CH₃₋CH₃ B. CH₄ C. CH₂₌CH₂ D. C₂H₂
20	Which of the following species participate in sulphonation of benzene ring?	A. H2SO4 B. HSO4 C. SO3 D. SO⁻₂