ECAT Chemistry Chapter 19 Aliphatic Hydrocarbons

Sr	Questions	Answers Choice
1	Ethylene combines with water in the presence of H_2SO_4+ $HgSO_4$and forms	A. Ethyle chloride B. Ethyle alcohol C. Carboxylic acid D. None of these
2	The compound prepared by a substitution reaction of benzene is	A. Acetophenone B. Glyoxal C. Cyclohexame D. Hexabromo cyclohexane
3	Eletronegativity difference in C-C bond in alkanes is:	A. Zero B. Double C. Half D. 4.0
4	Which gas is used for welding purposes	A. Butane B. Nitrogen C. Methane D. Acetylene
5	Write the name of following alkene CH_2= CH - CH = CH_2	A. 1,3 butadiene B. Butra -1, 3-diene C. Both a & b D. None
6	The molecule of ethane possess which hybrization	A. sp³ B. sp² C. sp D. sp²d
7	What is not a common use of methane	A. As a fuel B. For the preparation of haloaklanes C. For the preparation of methyl alcohol D. For the preparation of sulphuric acid
8	Benzene has a -------- structure	A. Pentagonal B. Hexagonal C. Heptagonal D. Tetragonal
9	The correct order of reactivity of halogens with alkanes is	A. I₂> Br₂> Cl₂> F₂ B. I₂> Cl₂> F₂> Br₂ C. F₂> Cl₂> I₂> Br₂ D. F₂> Cl₂> Br₂> I₂
10	The electron releasing effect of methyl group is significant and it makes ring a good	A. Electrophilic B. Nucleophilic C. Nucleophobic D. Hydrophobic
11	Mustard gas is a :	A. Gas B. Liquid C. Solid D. High boiling point
12	An alkynes having Carbon count of 20 is	A. gas B. liquid C. Solid D. None
13	All C - H bond lengths of benzene ring is	A. 1.07A° B. 1.09A<span style="color: rgb(84, 84, 84); font-family: arial, sans-serif;

		font-size: small;">˚ C. 1.08A° D. None
14	During the preparation of alkynes the active metals that react with tetra halo-alkanes are	A. Zn B. Mg C. Both a and b D. None
15	Alkanes are gases :	A. C₁-C₄ B. C₅-C₁₀ C. C₁₁-C₁₅ D. C₁₀-C₂₀
16	Which of the following reaction is characteristic of benzene	A. Electrophilic substitution reaction B. Reduction C. Oxidation D. Ozonolysis
17	Sp^3hybird orbitals are oriented at an angle of	A. 107.5° B. 108.5° C. 109.5° D. 103.5°
18	Octane number is zero for	A. n-Heptane B. Isooctane C. n-Hexane D. Isoheptane
19	Substituted phenyl groups are called	A. acyl groups B. phenyl groups C. Aryl groups D. Alkyle groups
20	When methane reacts with Cl_2in 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