ECAT Chemistry Chapter 19 Aliphatic Hydrocarbons

Sr	Questions	Answers Choice
1	Write the name of following compound	A. 5 - methyle - 2- hexene B. 2 - methyle hexene C. 4 - ethyle - 2 - methyle hexene D. 3 - ethyle - 3 - methyl hexene
2	The reaction-method that does not give an alkane is	A. Catalytic hydrogenation of alkanes B. Wurtz reaction C. Hydrolysis of alkyl magnesium bromide D. Dehydrohalogenation of an alkyl halide
3	Which class of compound is more reactive	A. Alkane B. Alkene C. Alkyne D. None
4	Acetylene when treated with 10% H_2SO_4in the presence of $HgSO_4$adds one molecule of water to form	A. Aldehydes B. Esters C. Alcohols D. Acids
5	Free radical mechanism of halogenation of alkanes follow step:	A. Initiation B. Propagation C. Termination D. All of these
6	Which of the following is not aromatic hydrogencarbon	A. Benzene B. Naphthalene C. Toluene D. Cyclohexene
7	The method in which alkanes prepared by alkyle halides in the presence of palladium - charcoal is	A. Hydrolysis B. Electrolysis C. Hydrogenation D. Hydrogenolysis
8	An alkynes having Carbon count of 20 is	A. gas B. liquid C. Solid D. None
9	When alkyl is treated with chlorine in the presence of sunlight	A. 1,3 dichloroproduct is formed B. 1,4 dichloro product is formed C. 1,3,5 trichloro product is formed D. Only alkyl group is substituted
10	Which compound was recognized the parent member of aromatic compounds	A. Aniline B. Phenol C. Benzene D. Toluene
11	Which of the following method is most appropriate for the manufacture of methane?	A. By reduction of CH2CL2 B. Wurtz reaction C. Liquification of natural gas D. None of these
12	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
13	Raney - nickel is the alloy of Ni with	A. Pt B. Al C. Cu D. Pd
14	During nitration of benzene, the active nitrating agent is	A. NO3 B. NO2+ C. NO2- D. HNO3
		A. Poly acetylene

15	Vinyl acetylene combines with HCl to form	B. Benzene C. Chloroprene D. Divinylacetylene
16	Which gas is produced by treating $CaC_2$with water	A. Methane B. Ethane C. Acetylene D. HCl
17	Toluene is also called	A. Hydroxyl benzene B. Methyl benzene C. ethyl benzene D. None
18	Alkanes are generally not reactive towards acids, alkalis, oxidation or reuducing agents. They however undergo some reactions, which one is the reaction undergone by alkanes	A. Elemination B. Addition C. Free radical substitution D. Nucleophilic substation
19	When sodium benzoate is treated with soda lime (NaOH) benzene is formed. What is the other product	A. Na₂CO₃ B. NaHCO₃ C. Ca(OH)₂ D. CaCO₃
20	Nitroalkane are used in	A. Fuel B. Solvents C. Organic synthesis D. All of them