ECAT Chemistry Chapter 21 Alkyl Halides

Sr	Questions	Answers Choice
1	Reation of which with Grignard's reagent gives primary alcohol:	A. Formaldehyde B. Aldehyde C. Ketones D. Acetone
2	The reactivity order of alkyl halides for a particular alkyl group is:	A. F >Cl>Br>I B. Cl>Br>F>I C. I>Br>Cl>F D. Br>I>Cl>F
3	Alcohol can be prepared from Grignard's reagent with an aldehyde: If we start with formaldehyde the product alcohol with be	A. Primary B. Secondary C. Territory D. Aromatic
4	C- X bond is strong in	A. CH₃Cl B. CH₃Br C. CH₃F D. CH₃I
5	Iodoethane reacts with sodium in ether, the product formed is	A. Pentene B. Propyne C. Butene D. Butane
6	Aryl halides are less reactive towards nucleophilic substitution reactions as compared to alkyl halides due to	A. The formation of less stable carbonium ion B. Resonance stabilization C. Larger carbon-halogen bond D. The inductive effect
7	Which is a weak nucleophile	A. OH⁻ B. Br⁻ C. NH₃ D. Cl⁻
8	Cyanoform is _____ acid in nature than the chloroform. The missing word is	A. Stronger B. Weaker C. Amphoteric D. Neutral
9	When metallic sodium in ether is heated with ethyl chloride, which alkane is formed	A. Propane B. Ethane C. Iso-butane D. N-butane
10	Grignad reagent is reactive due to	A. The presence of halogen atom B. The presence of Mg atom C. The polarity of C - Mg bond D. None of above
11	The reaction of alcohol with $SOCl_2$ in the presence of pyridine as catalyst gives	A. Acids B. Acid chloride C. Alkyl halide D. Benzene
12	Question Image	A. Electrophilic addition B. Electrophilic substitution C. Free radical substitution D. Nuclophilic addition
13	Each of the following compounds is effective as a refrigerant. The release of which one of these causes the greatest depletion of the ozone layer	A. CCl₂F₂ B. CH₃OCH₃ C. CH₃CHF₂ D. CH₃CH₂CH₃
14	Reduction of alkyl halides give	A. Alkanes B. Alkenes C. Ketones D. Ether
15	Hydrolysis of Grignard's reagent yields	A. Alcohol B. Aldyhyde C. Ester

		D. Alkane
16	Alkyl halides are considered to be very reactive compounds towards nucleophiles because	A. They have an electrophilic carbon B. They have an electrophilic carbon and a good leaving group C. They have an electrophilic carbon and a bad leaving group D. They have a nucleophilic carbon and a good leaving group
17	Dehydrohalogenation of alkyl halides produces	A. Alcohol B. Alkane C. Alkene D. Alkyne
18	The order of reactivity of an alkyl halide (R-X) for a particular alkyl group is	A. Iodide > bromide > chloride B. Chloride > bromide > iodide C. Bromide > chloride > iodide D. Bromide > iodide > chloride
19	Unpleasant smell of carbylamine is obtained when chloroform and alcoholic KOH are heated with	A. Any aromatic amine B. Any primary amine C. Any amine D. Any aliphatic amine
20	Which of the following does not give iodoform test?	A. Ethanol B. Ethanal C. Acetophenone D. Bezophenone