

Chemistry Fsc Part 2 Chapter 10 Online Test

Sr	Questions	Answers Choice
1	When CO_2 is made to react with ethyl magnesium iodide, followed by acid hydrolysis, the product formed is	A. propane B. propanoic acid C. propanal D. propanol
2	The reactivity of Grignard's reagent is due to	A. Polarity of Mg-x bond B. Polarity of C-Mg bond C. Electro negativity of halogen atom D. Presence of Mg-atom
3	The reacts with halogen acids to form alkyl halide the process is known as.	A. Halogenation B. Hydrohalogenation C. Hydrogenation D. Dehydrohalogenation
4	$\text{S}_{\text{N}}2$ mechanism involves	A. 1st order kinetics B. 2nd order kinetics C. 3rd kinetics D. zero order kinetics
5	Elimination Bimolecular reactions involve	A. Second order kinetics B. First order kinetics C. Third order kinetics D. Zero order kinetics
6	In primary alkyl halides, the halogen atom is attached to a carbon which is further attached to how many carbon atoms	A. Two B. Three C. One D. Four
7	For which mechanisms, the first step involved is the same	A. $\text{E}_{\text{sub}}>1$ and $\text{E}_{\text{sub}}>2$ B. $\text{E}_{\text{sub}}>2$ and $\text{S}_{\text{N}}>2$ C. $\text{E}_{\text{sub}}>1$ and $\text{E}_{\text{sub}}>2$ D. $\text{E}_{\text{sub}}>1$ and $\text{S}_{\text{N}}>1$
8	Which one of the following will be required to form ethene from ethyl chloride.	A. Alcoholic KOH B. Aqueous KOH C. Alkaline KMnO_4 D. Bromine
9	Which one of the following is not a nucleophile.	A. H_2O B. H_2S C. BF_3 D. NH_3
10	Acetic acid can be obtained from CH_3MgI by treatment with.	A. H_2O B. CINH_2 C. CO_2 D. HCHO
11	$\text{S}_{\text{N}}2$ mechanism involves	A. 1st order kinetic B. 2nd order kinetic C. 3rd order kinetic D. Zero order kinetic
12	$\text{S}_{\text{N}}1$ reaction usually occurs in	A. Primary alkyl halides B. Secondary alkyl halides C. Tertiary alkyl halides D. All of these
13	Which one of the following alkanes will be formed by the hydrolysis of ethyl magnesium bromide	A. Methane B. Ethane C. Butane D. do not hydrolysed
14	Which one of the following reactants will be required to form ethyl alcohol form ethyl bromide.	A. Alcoholic KOH B. Aqueous KOH C. Alkaline KMnO_4 D. Sodium metal in ether
15	Which one of the following products will be formed in Wurtz reaction when sodium metal reacts with ethyl chloride in anhydrous ether.	A. Methane B. Ethane C. Propane

D. Butane

16 Secondary alkyl halides are those in which halogen atom is attached with a carbon atom which is further attached to.

A. One beta carbon
B. Two beta carbon
C. Three beta carbon
D. Four beta carbon

17 Cyanogen chloride reacts with ethyl magnesium bromide to give

A. $\text{CH}_{3}\text{CH}_{2}\text{CH}_{2}\text{Cl}$
B. $\text{CH}_{3}\text{CH}_{2}\text{CH}_{2}\text{Br}$
C. $\text{C}_{2}\text{H}_{5}\text{CH}_{2}\text{H}_{10}$
D. $\text{CH}_{3}\text{CH}_{2}\text{CH}_{2}\text{CN}$

18 Which compound is formed, when CH_3OH reacts with $\text{CH}_3\text{-Mg-Br}$

A. Ethane
B. Methane
C. Ethanol
D. Acetone

19 Which substance is used to convert Grignard reagent to alkane.

A. H_2O
B. NH_3
C. Ethyl alcohol
D. All of these

20 The reaction of alkyl halides with sodium metal in the presence of ether to form alkane is known as.

A. Wurtz reaction
B. Frankland reaction
C. Sabatier sendron
D. Kolbe's synthesis