

## Chemistry Fsc Part 2 Chapter 10 Online Test

| C. | Questions   | Anguero Chaica  |
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| Sr | Questions   | Answers Choice  |
| 1  | Alkyl halides are considered to be very reactive compounds towards nucleophile 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 bed leaving group     D. They have a nucleophilic carbon     and a good leaving group |
| 2  | Which substance is used to convert Grignard reagent to alkane.  | A. H2O B. NH3 C. Ethyl alcohol D. All of these  |
| 3  | 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   |
| 4  | The reactivity order of alkyl halides for a particular alkyl group is.  | A. Fluoride > Chloride > Bromide > lodide B. Chloride > Bromide > Chloride > Fluoride C. lodide > Bromide > Chloride > Fluoride D. Bromide > lodide > Chloride > Fluoride   |
| 5  | For which mechanisms, the first step involved is the same   | A. E <sub>1</sub> and E <sub>2</sub> B. E <sub>2</sub> and SN <sub>2</sub> C. E <sub>1</sub> and E <sub>2</sub> D. E <sub>1</sub> and SN <sub>1</sub> and SN <sub>1</sub>   |
| 6  | The reacts with halogen acids to form alkyl halide the process is known as.   | A. Halogenation     B. Hydrohalogenation     C. Hydrogenation     D. Dehydrohalogenation  |
| 7  | Grignard 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 the above   |
| 8  | Which substance is used to convert alcohol to alkyl halide.   | A. SOCI2 B. PCI3 C. HCI +ZnCI2 D. All of these  |
| 9  | What products is formed when ethyl bromide reacts with magnesium to form Grignard's reagent.  | A. Pyridine B. Anhydrous ether C. Ethyl alcohol D. Carbon tetrachloride   |
| 10 | In primary alkyl halides, the halogen atom is attached to a carbon which is further attached to how many carbon atoms.                | A. One<br>B. Two<br>C. Three<br>D. Four   |
| 11 | The reaction of alkyl halides with sodium metal in the presence of ether to from alkane is known as.                                  | A. Wortz reaction B. Frankland reaction C. Sabatier sendron D. Kolbe's synthesis  |
| 12 | Nucleophilic substitution reactions, which are completed in two steps are called as.  | A. SN1<br>B. SN2<br>C. E1<br>D. E2  |
| 13 | is not a nucleophile  | A. H <sub>2</sub> O B. NO <sub>3</sub> C. BF <sub>3</sub> D. NH <sub>3</sub>  |
|    |   | A. Primary alkyl halides  |

| 14 | SN2 reactions can be best carried out with   | B. Secondary alkyl halides C. Tertiary alkyl halides D. All the three  |
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| 15 | Cyanogen chloride reacts with ethyl magnesium bromide to give  | A. CH <sub>3</sub> CH <sub>2</sub> Cl B. CH <sub>3</sub> CH <sub>2</sub> Br C. C <sub>4</sub> H <sub>10</sub> <sup>+</sup> D. CH <sub>3</sub> CH <sub>2</sub> CN |
| 16 | Which one of the following alcohols will be formed when ethyl magnesium bromide reacts with acetone. | A. Primary alcohol B. Secondary alcohol C. Tertiary alcohol D. Dehydrin alcohol  |
| 17 | For Mechanism, the first step involved is the same   | A. E1 and E2 B. E2 and S <sub>N</sub> 2 C. S <sub>N</sub> 1 and S <sub>N</sub> 2 D. E1 and S <sub>N</sub> 1  |
| 18 | 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  |
| 19 | Acetic acid can be obtained from CH3MgI by treatment with.   | A. H2O<br>B. CINH2<br>C. CO2<br>D. HCHO  |
| 20 | An alkyl halide may be converted to alcohol by   | A. Addition B. Substitution C. Dehydrohalogenation D. Elimination  |