

<b>CHEMISTRY-12</b>	<b>Chapter # 10 (Complete) Test: A-2</b>		
	Name:	Class:	ID:
Date: / /	<b>Marks Total: 19</b>	<b>Marks Obtained:</b>	
Time Allowed: 40 Min.			

Maximum Marks: 05      **(OBJECTIVE TYPE)**      Time Allowed: 10 Min.

**NOTE:** Tick The Correct Option:

- The reactivity order of alkyl halides for a particular alkyl group is?
  - Fluoride > Chloride > Bromide > Iodide
  - Chloride > Bromide > Fluoride > Iodide
  - Iodide > Bromide > Fluoride > Chloride
  - Bromide > Iodide > Chloride > Fluoride
- When  $CO_2$  is made to react with ethyl magnesium iodide, followed by acid hydrolysis, the product formed is:
  - Propane
  - Propanoic acid
  - Propanal
  - Propanol
- The rate of  $E_1$  reaction depends upon:
  - The concentration of substrate
  - The concentration of nucleophile
  - The concentration of substrate as well as nucleophile
  - None of the above
- Which one of the followings is the best nucleophile?
  - $H_2O$
  - $NH_3$
  - $C_2H_5O^-$
  - $NO$
- What is the IUPAC name of  $(CH_3CH_2)_3CBr$ ?
  - Bromotriethylmethane
  - 1-Bromo-1,1-diethylpropane
  - 3-Bromo-3-ethylpropane
  - 3-Bromo-3-ethylpentane

Maximum Marks: 14      **(SUBJECTIVE TYPE)**      Time Allowed: 30 Min.

### SECTION-I

- Q.2: Give brief answers to the following questions: (10)
- Give classification of alkyl halides.
  - Give two methods of preparation of alkyl halides from alcohols.
  - Define leaving group and substrate.
  - Convert  $C_2H_5Br$  to  $(C_2H_5)_2NH$ .
  - How does Grignard reagent react with ethylene epoxide?

### SECTION-II

**NOTE:** Attempt All Questions: (04)

- Q.3: What are Grignard's reagent? How will you prepare a primary, secondary and tertiary alcohol with the help of Grignard's reagent?