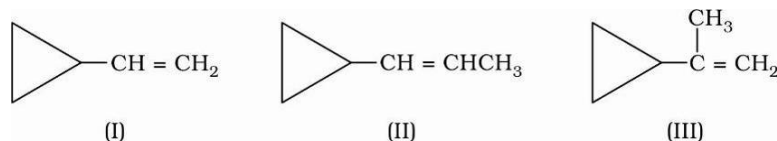


Date Planned : __ / __ / __	Daily Tutorial Sheet-6	Expected Duration : 30 Min
Actual Date of Attempt : __ / __ / __	Level-2	Exact Duration : _____

76. Rate of hydration of

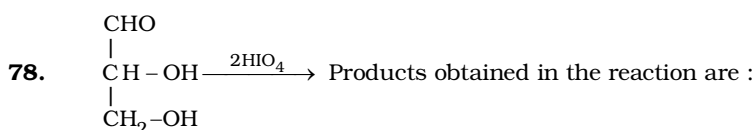


will be in order :

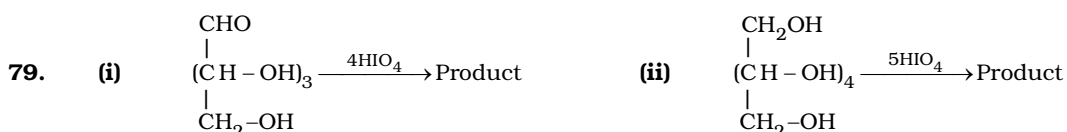
- (A) I < II < III (B) I < III < II (C) II < I < III (D) III < II < I

*77. 3-Methyl-3-hexanol can be prepared by :

- (A) CH_3MgI and 3-Hexanone, followed by hydrolysis
 (B) $\text{C}_2\text{H}_5\text{MgI}$ and 2-Pentanone, followed by hydrolysis
 (C) n-Pr-MgI and 2-Butanone, followed by hydrolysis
 (D) n-Bu-MgI and Propanone, followed by hydrolysis



- (A) $\text{HCHO}, \text{HCO}_2\text{H}$ (B) $\text{HCHO}, 2\text{HCO}_2\text{H}$
 (C) $\text{CO}_2, 2\text{HCO}_2\text{H}$ (D) $\text{CO}_2, \text{HCHO}, \text{HCO}_2\text{H}$



Ratio of moles of formic acid obtained in reaction (i) and reaction (ii) is :

- (A) 3/4 (B) 4/5 (C) 1 (D) 5/4

80. Cyclobutylethene is treated with dil. H_2SO_4 and boiled with water to form :

- (A) 2-Cyclobutylethanol (B) 1-Cyclobutyl-2-ethanol
 (C) 2-Methylcyclopentanol (D) 1-Methylcyclopentanol

*81. In the reaction sequence, $\text{CaC}_2 \xrightarrow{\text{H}_2\text{O}} \text{A} \xrightarrow[\text{HgSO}_4]{\text{dil. H}_2\text{SO}_4} \text{B} \xrightarrow[\text{Ni}]{\text{H}_2} \text{C}$.

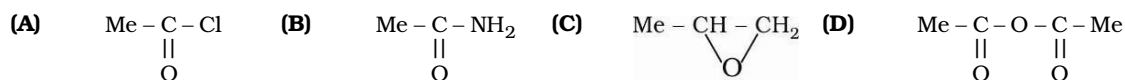
True statement about the product C is :

- (A) Give yellow ppt. with NaOI (B) Its oxidation product is carbonyl compound
 (C) Its oxidation product is CO_2 and H_2O (D) Its oxidation product is CH_3COOH

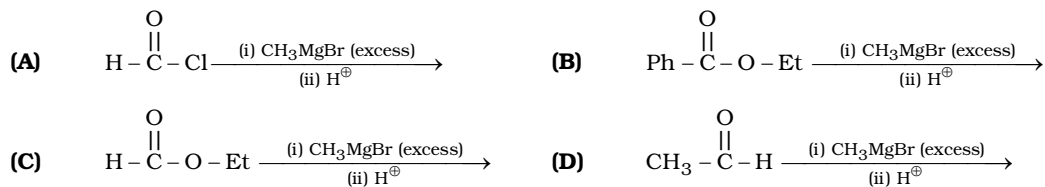
*82. Which of the following alcohol(s) can be oxidised by $\text{KMnO}_4 / \text{H}^+$?

- (A) Ethanol (B) Tert-butylalcohol
 (C) Isopropyl alcohol (D) Allyl alcohol

*83. Which of the following compound(s) gives alcohol on reaction with $\text{LiAlH}_4 / \text{H}_2\text{O}$?



*84. End-product of which of following reactions gives positive Iodoform test ?



*85. Which of the following reactions represents the correct product ?

