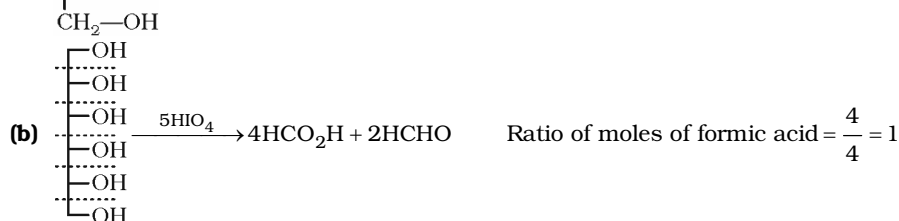
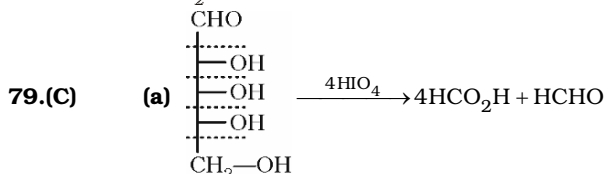
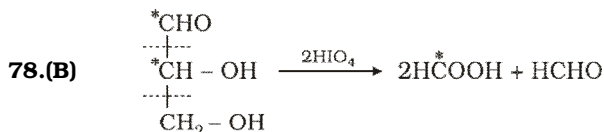


Daily Tutorial Sheet-6

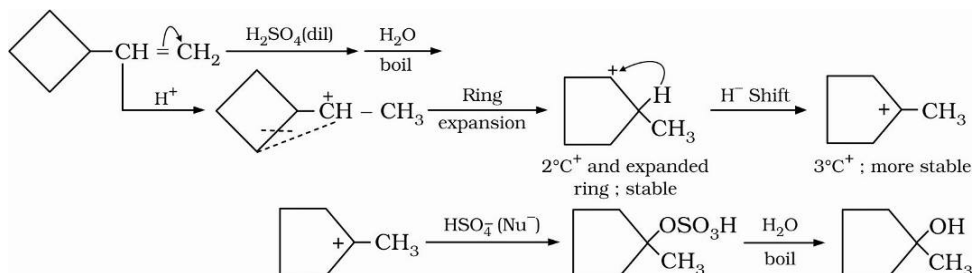
Level-2

76.(C) Rate of hydration of alkenes  $\propto$  stability of initial carbocation formed after Electromeric effect.

77.(ABC) (D)  $n\text{-BuMgI} + \text{CH}_3\text{COCH}_3 \longrightarrow 2\text{-Methylhexan-2-ol}$  (Incorrect)



80.(D)



81.(AD)  $\text{C} : \text{C}_2\text{H}_5\text{OH} \xrightarrow{(\text{O})} \text{CH}_3\text{COOH}$

82.(ACD)  $3^\circ$  alcohols are not oxidised easily.

83.(ACD) (B) amides are reduced to amines.

(C)  $\text{H}^-$  from  $\text{LiAlH}_4$  does base catalysed ring opening in methyl oxirane to form  $2^\circ$  alcohol.

84.(ABCD) (A) Product is  $\text{CH}_3 - \overset{\text{OH}}{\underset{|}{\text{CH}}} - \text{CH}_3$  (positive iodoform test)

(B) Product is  $\text{Ph} - \overset{\text{OH}}{\underset{\text{CH}_3}{\underset{|}{\text{C}}} - \text{CH}_3 + \text{EtOH}$  (positive iodoform test)

(C) Product is  $\text{H} - \overset{\text{OH}}{\underset{\text{CH}_3}{\underset{|}{\text{C}}} - \text{CH}_3 + \text{EtOH}$  (positive iodoform test)

(D)  $\text{CH}_3 - \overset{\text{OH}}{\underset{|}{\text{CH}}} - \text{CH}_3$  (positive iodoform test)

85.(AC)  $\text{LiAlH}_4$  reduces aldehydes/ketones as well as esters.  $\text{NaBH}_4$  reduces only aldehydes/ketones but not esters.