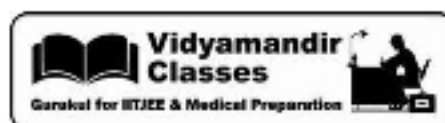




1

of 2



Date Planned : __ / __ / __	Daily Tutorial Sheet-6	Expected Duration : 45 Min
Actual Date of Attempt : __ / __ / __	JEE Advanced Archive	Exact Duration : _____

76. Alkyl halides react with dialkyl copper reagents to give : ▶ (2005)
 (A) alkenes (B) alkyl copper halides
 (C) alkanes (D) alkenyl halides
77. Acid catalyzed hydration of alkenes except ethene leads to the formation of : ▶ (2005)
 (A) primary alcohol
 (B) secondary or tertiary alcohol
 (C) mixture of primary and secondary alcohols
 (D) mixture of secondary and tertiary alcohols
78. $\text{H}_3\text{C}-\text{CH}(\text{CH}_3)-\text{CH}_2-\text{CH}_3 \xrightarrow{\text{Cl}_2, h\nu} \text{N (isomeric products)} \xrightarrow{\text{Fractional distillation}} \text{M (isomeric products)}$
 What are N and M ? ▶ (2006)
 (A) 6, 6 (B) 6, 4 (C) 4, 4 (D) 3, 3
79. $\text{CH}_3-\text{CH}=\text{CH}_2 + \text{NOCl} \longrightarrow \text{P}$; identify the adduct : ▶ (2006)
 (A) $\text{CH}_3-\underset{\text{Cl}}{\text{CH}}-\underset{\text{NO}}{\text{CH}_2}$ (B) $\text{CH}_3-\underset{\text{NO}}{\text{CH}}-\underset{\text{Cl}}{\text{CH}_2}$
 (C) $\text{CH}_3-\text{CH}_2-\underset{\text{NO}}{\underset{\text{Cl}}{\text{CH}}}$ (D) $\underset{\text{NO}}{\text{CH}_2}-\text{CH}_2-\underset{\text{Cl}}{\text{CH}_2}$
80. HBr reacts with $\text{CH}_2=\text{CH}-\text{OCH}_3$ under anhydrous conditions at room temperature to give : ▶ (2006)
 (A) CH_3CHO and CH_3Br (B) BrCH_2CHO and CH_3OH
 (C) $\text{BrCH}_2-\text{CH}_2-\text{OCH}_3$ (D) $\text{H}_3\text{C}-\text{CHBr}-\text{OCH}_3$
81. The number of stereoisomers obtained by bromination of trans-2-butene is : ▶ (2007)
 (A) 1 (B) 2
 (C) 3 (D) 4
82. The reagents(s) for the following conversion, $\text{Br}-\text{CH}_2-\text{CH}_2-\text{Br} \xrightarrow{?} \text{H}-\text{C}\equiv\text{C}-\text{H}$ is : ▶ (2007)
 (A) alcoholic KOH (B) alcoholic KOH followed by NaNH_2
 (C) aqueous KOH followed by NaNH_2 (D) $\text{Zn} / \text{CH}_3\text{OH}$
83. Which of the following reactions will yield 2, 2-dibromopropane ? ▶ (2007)
 (A) $\text{CH}_3-\text{C}\equiv\text{CH} + 2\text{HBr} \longrightarrow$
 (B) $\text{CH}_3\text{CH}=\text{CH} + \text{HBr} \longrightarrow$
 (C) $\text{CH}\equiv\text{CH} + 2\text{HBr} \longrightarrow$
 (D) $\text{CH}_3-\text{CH}=\text{CH}_2 + \text{HBr} \longrightarrow$