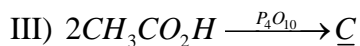


ORGANIC CHEMISTRY - I

4. CARBOXYLIC ACIDS

PREVIOUS EAMCET BITS

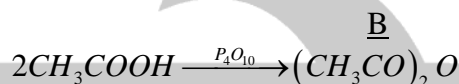
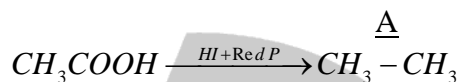
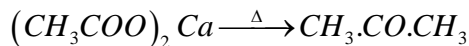
1. What are the A, B, C in the following reactions ? (2009 E)



- | A | B | C |
|-------------------|---------------|---------------|
| (1) C_2H_6 | CH_3COCH_3 | $(CH_3CO)_2O$ |
| (2) $(CH_3CO)_2O$ | C_2H_6 | CH_3COCH_3 |
| (3) CH_3COCH_3 | C_2H_6 | $(CH_3CO)_2O$ |
| (4) CH_3COCH_3 | $(CH_3CO)_2O$ | C_2H_6 |

Ans: 3

Sol: Reaction



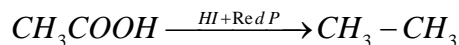
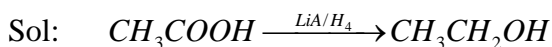
C

2. Identify A and B in the following reaction (2008 E)

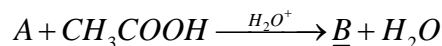


- | A | B |
|-------------------|------------|
| (1) HI + Red P | $LiAlH_4$ |
| (2) Ni/ Δ | $LiAlH_4$ |
| (3) $LiAlH_4$ | HI + Red P |
| (4) Pd - $BaSO_4$ | Zn + HCl |

Ans : 3



A : $LiAlH_4$ B : HI + Red P



In the above reactions 'A' and 'B' respectively are (2007 E)

- | | |
|------------------------------|------------------------------|
| 1) $CH_3COOC_2H_5, C_2H_5OH$ | 2) CH_3CHO, C_2H_5OH |
| 3) C_2H_5OH, CH_3CHO | 4) $C_2H_5OH, CH_3COOC_2H_5$ |

Ans : 4

Sol: Reaction

