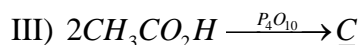


# ORGANIC CHEMISTRY - I

## 4. CARBOXYLIC ACIDS

### PREVIOUS EAMCET BITS

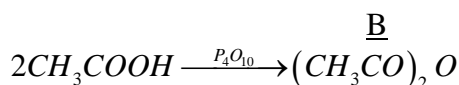
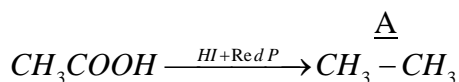
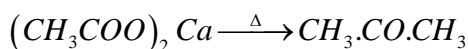
1. What are the A, B, C in the following reactions ? (2009 E)



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



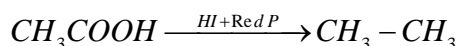
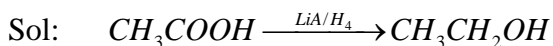
C

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

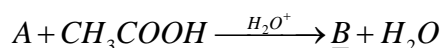
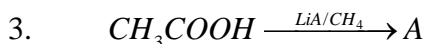


A	B
(1) HI + Red P	$LiAlH_4$
(2) Ni/Δ	$LiAlH_4$
(3) $LiAlH_4$	HI + Red P
(4) Pd - $BaSO_4$	Zn + HCl

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

