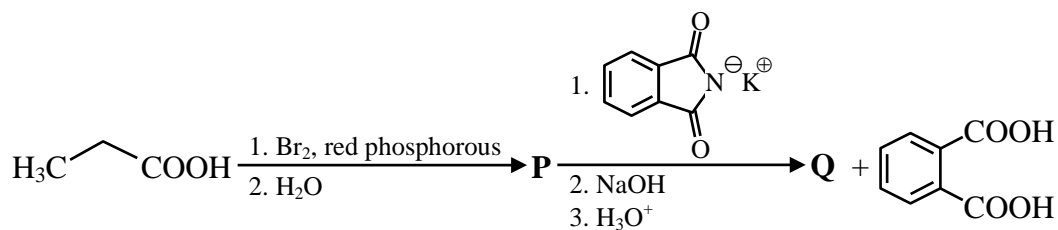


ORGANIC CHEMISTRY

ACID DERIVATIVE

1. Considering the reaction sequence given below, the correct statement(s) is(are) [JEE(Advanced) 2022]



- (A) **P** can be reduced to a primary alcohol using  $\text{NaBH}_4$ .
- (B) Treating **P** with conc.  $\text{NH}_4\text{OH}$  solution followed by acidification gives **Q**.
- (C) Treating **Q** with a solution of  $\text{NaNO}_2$  in aq.  $\text{HCl}$  liberates  $\text{N}_2$ .
- (D) **P** is more acidic than  $\text{CH}_3\text{CH}_2\text{COOH}$ .

SOLUTIONS

1. Ans. (B, C, D)

Sol.

