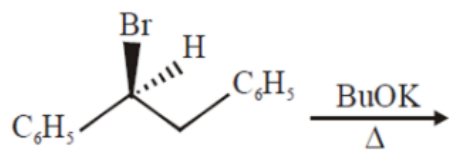


15. The major product obtained in the following reaction is



- A.  $\text{C}_6\text{H}_5\text{CH}(\text{O}^t\text{Bu})\text{CH}_2\text{C}_6\text{H}_5$
- B.  $\text{C}_6\text{H}_5\text{CH}=\text{CHC}_6\text{H}_5$
- C.  $(+)\text{C}_6\text{H}_5\text{CH}(\text{O}^t\text{Bu})\text{CH}_2\text{H}_5$
- D.  $(-)\text{C}_6\text{H}_5\text{CH}(\text{O}^t\text{Bu})\text{CH}_2\text{C}_6\text{H}_5$

B.  $\text{C}_6\text{H}_5\text{CH}=\text{CHC}_6\text{H}_5$

Elimination reaction is highly favoured if

- (a) Bulkier base is used
- (b) Higher temperature is used

Hence in given reaction bimolecular elimination reaction provides major product

