

Haloalkanes and Haloarenes

Que 1: Which compound in each of the following pairs is more reactive in S_N2 reaction with OH^- ?

(i) CH_3Br or CH_3I (ii) $(CH_3)_3CCl$ or CH_3Cl

Marks : (2)

Ans: (i) CH_3I

(ii) CH_3Cl

Que 2: Predict all the alkenes that would be formed by dehydrohalogenation of the following halides with sodium ethoxide in ethanol and identify the major alkene:

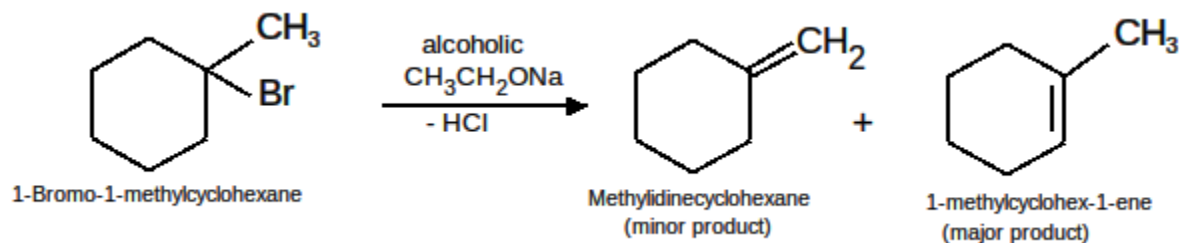
(i) 1-Bromo-1-methylcyclohexane

(ii) 2-Chloro-2-methylbutane

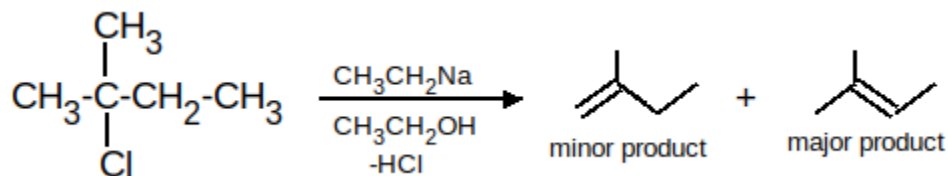
(iii) 2,2,3-Trimethyl-3-bromopentane.

Marks : (3)

Ans: (i)



(ii)



(iii)

