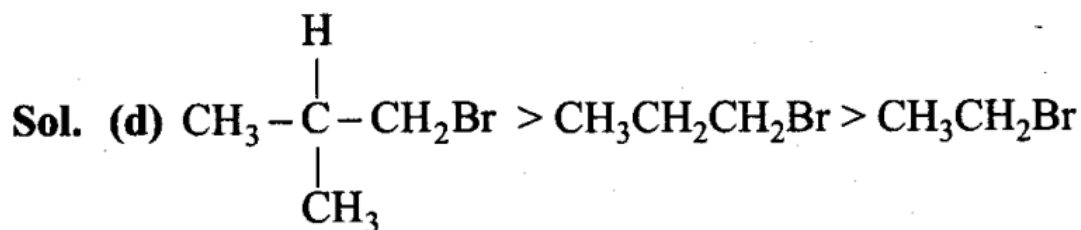


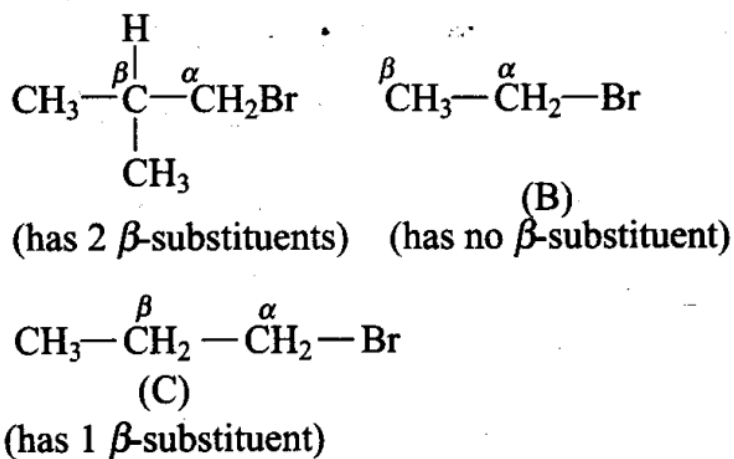
9. Arrange the following alkyl halides in decreasing order of the rate of β -elimination reaction with alcoholic KOH.



(a) $A > B > C$ (b) $C > B > A$ (c) $B > C > A$ (d) $A > C > B$



is the order of rate of β -elimination with alcoholic KOH.



More the number of β -substituents (alkyl groups), more stable alkene will be formed on β -elimination and more will be the reactivity. Thus, the decreasing order of the rate of β -elimination reaction with alcoholic KOH is: $A > C > B$.