43. The reaction of $CH_3CH{=}CH$–C$_6$H$_4$–OH with HBr gives : **(1998)**

(A) $CH_3CHBrCH_2$–C$_6$H$_4$–Br **(B)** $CH_3CHBrCH_2$–C$_6$H$_4$–OH

(C) CH_3CH_2CHBr–C$_6$H$_4$–OH **(D)** CH_3CH_2CHBr–C$_6$H$_4$–Br

44. **Statement I** : Addition of Br_2 to 1-butene gives two optical isomers.

Statement II : The product contains one asymmetric carbon. **(1998)**

45. Complete the following reactions with appropriate structures of product/reagents : **(1998)**

$$C_6H_5CH=CH_2 \xrightarrow{Br_2} [A] \xrightarrow[(ii)\ CH_3I]{(i)\ NaNH_2\ (3\ equivalent)} [B]$$