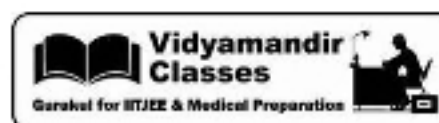




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43. The reaction of  $\text{CH}_3\text{CH}=\text{CH}-\text{C}_6\text{H}_4-\text{OH}$  with  $\text{HBr}$  gives : ▶ (1998)

- (A)  $\text{CH}_3\text{CHBrCH}_2-\text{C}_6\text{H}_4-\text{Br}$       (B)  $\text{CH}_3\text{CHBrCH}_2-\text{C}_6\text{H}_4-\text{OH}$   
 (C)  $\text{CH}_3\text{CH}_2\text{CHBr}-\text{C}_6\text{H}_4-\text{OH}$       (D)  $\text{CH}_3\text{CH}_2\text{CHBr}-\text{C}_6\text{H}_4-\text{Br}$

44. **Statement I** : Addition of  $\text{Br}_2$  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)

