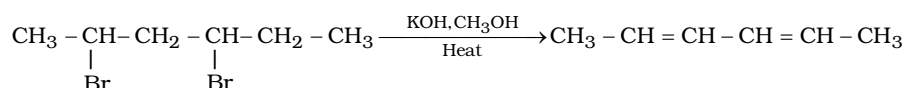
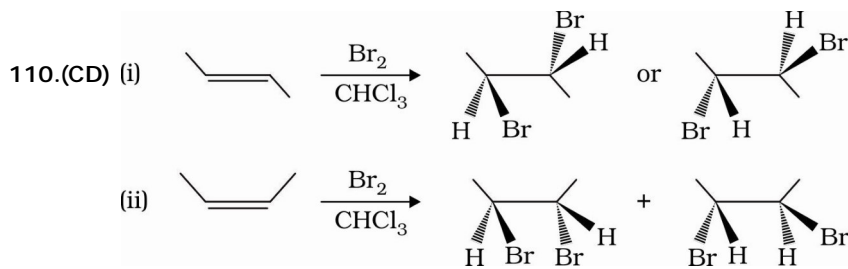


107.(B) Allylic bromination. Product is 3-Bromocyclohexene.

108.(D) It is dehydrobromination and major product is formed according to saytzeff's rule. Conjugated and more substituted diene is more stable.

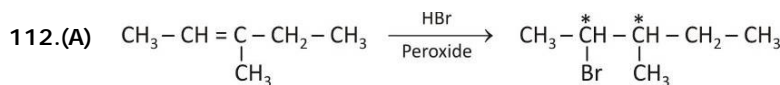
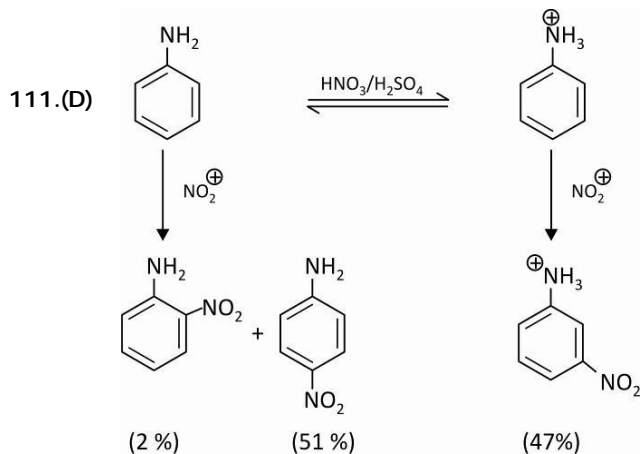


109.(B) Allylic bromination. Major product is 3-bromo-3-methyl cyclohexene.



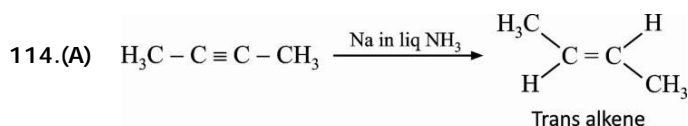
\* Bromination (addition of  $\text{Br}_2$ ) proceeds through trans-addition in both the reactions

\* (M and O) and (N and P) are two pairs of diastereomers.

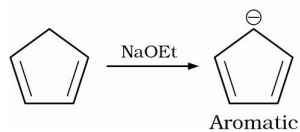
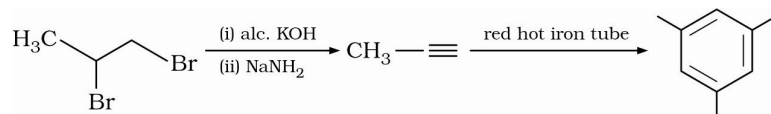


No. of stereoisomers =  $2^n = 2^2 = 4$  [n = No. of chiral carbon atoms]

113.(B) Vinyl chloride is not suitable for Friedel craft's reaction with benzene because of formation of unstable vinylic carbocation.



115.(AD)



116.(6)

