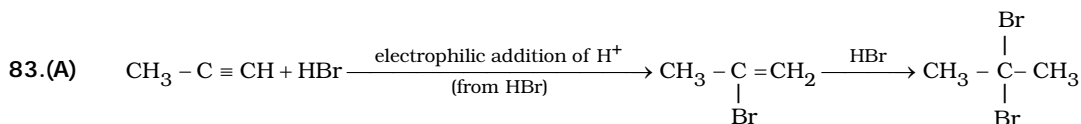
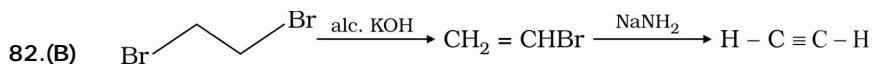
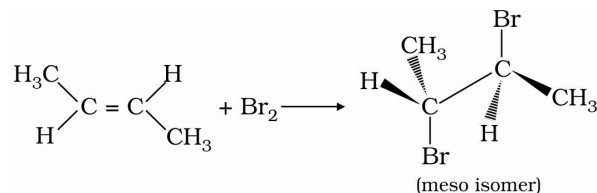
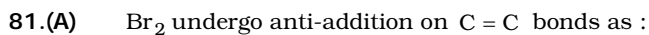
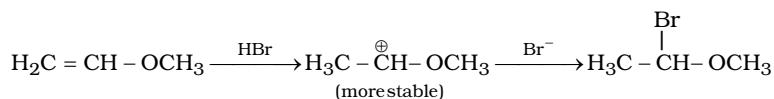
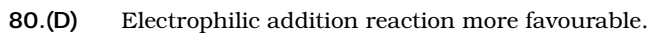
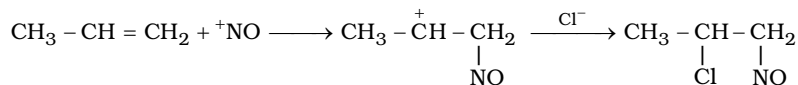
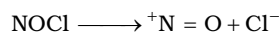
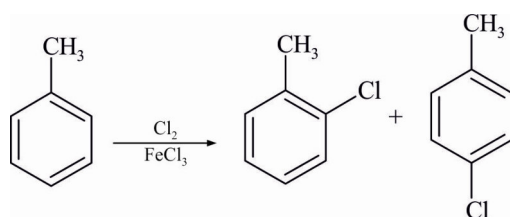


Since, fractional distillation cannot separate enantiomers (II + III and V + VI), M = 4 and N = 6.

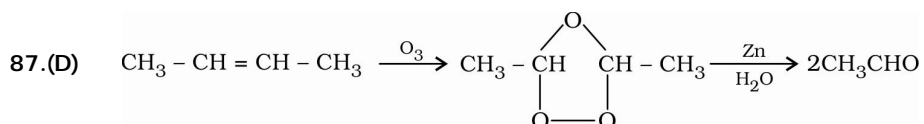


- 84.(C) Due to o- and p-directing nature of CH₃ group.



- 85.(D) -NO₂ group shows -M effect, so withdraws the electron density from the ring and hence deactivate the ring towards electrophilic aromatic substitution.

- 86.(C) Any aliphatic carbon with hydrogen attached to it, in combination with benzene ring, will be oxidized to benzoic acid by KMnO₄ / H⁺.



- 88.(B) -NO₂ is electron withdrawing which will destabilize σ-complex.

