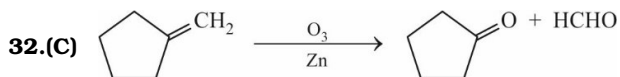
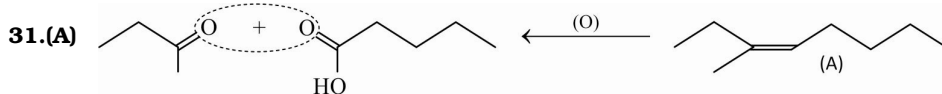


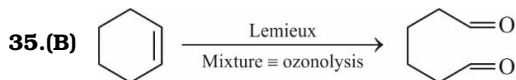
Level - 1

DTS-3



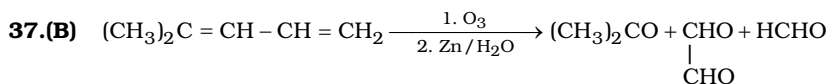
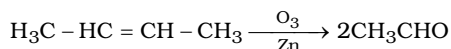
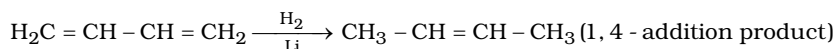
33.(B) More the number of π -bonds more will be the heat of hydrogenation.

34.(B) Hydroboration-oxidation gives Anti-Markovnikov's product.



Lemieux Johnson reagent ($\text{NaIO}_4 + \text{OsO}_4$) $\equiv$ reductive ozonolysis.

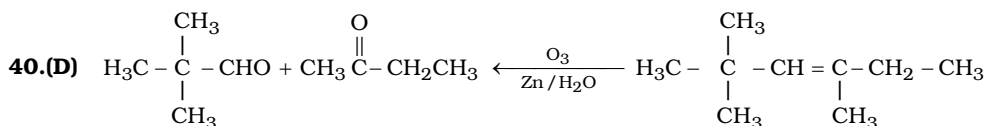
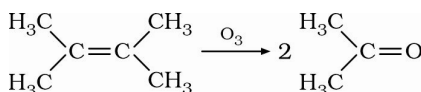
36.(D) A is conjugate diene :



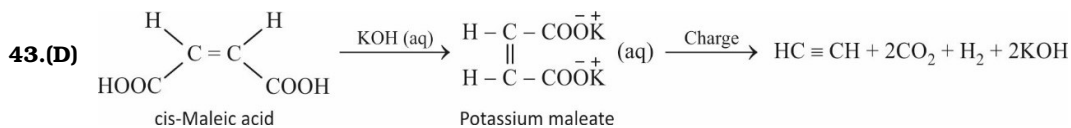
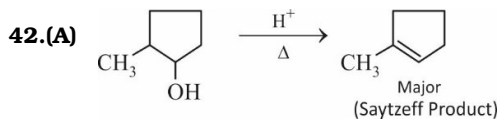
38.(D) If Zn is not used with O_3 , then acids are products of ozonolysis.

* $\text{H}_2\text{O} + \text{O} \longrightarrow \text{H}_2\text{O}_2$: an oxidising agent.

39.(D) Alkene has to be symmetrically dialkylated on both carbon atoms.



41.(C) Hydration follows Markovnikov's addition, hence it will form either 2° or 3° alcohol depending upon structure of alkene.



Note that trans-fumarate will also form Acetylene.

