HINTS & SOLUTION WORKBOOK-3

Hydrocarbons

Daily Tutorial Sheet-12	Level - 3

141.(A) More number of hyperconjugating structures more is the stability.

142.(A) Alkaline $KMnO_4$ gives syn addition. cis alkene on syn addition gives meso compound.

143.(B) $C_2H_5MgI + H_2O \longrightarrow C_2H_6 + Mg\begin{matrix} I \\ OH \end{matrix}$ Acidic H is present. So, acid base reaction will occur.

144.(B) $F_2 > Cl_2 > Br_2$

More electronegative element having radical is least stable, most reactive.

145.(A) Chlorination of alkane is done by free radical mechanism in which chain initiation step involves formation of Cl free radical.

146.(A) Br_2 gives anti-addition. Trans alkene on anti-addition gives meso compound.