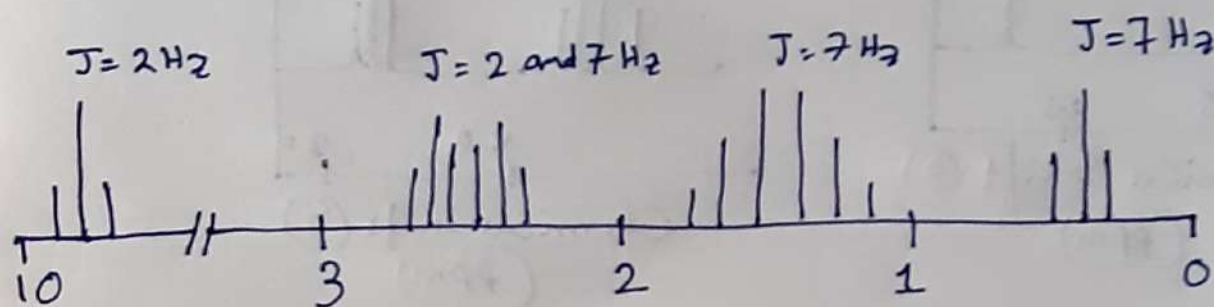
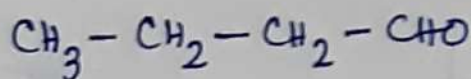
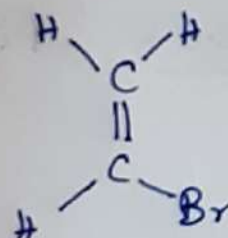
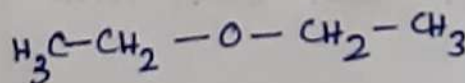
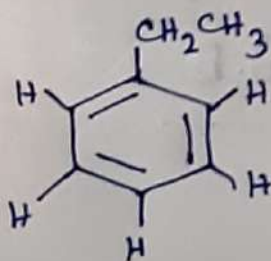
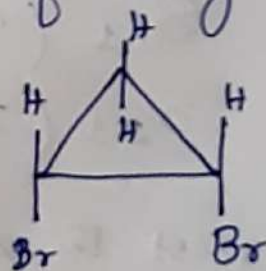
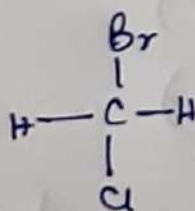
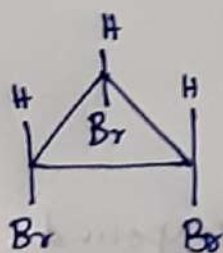


Questions

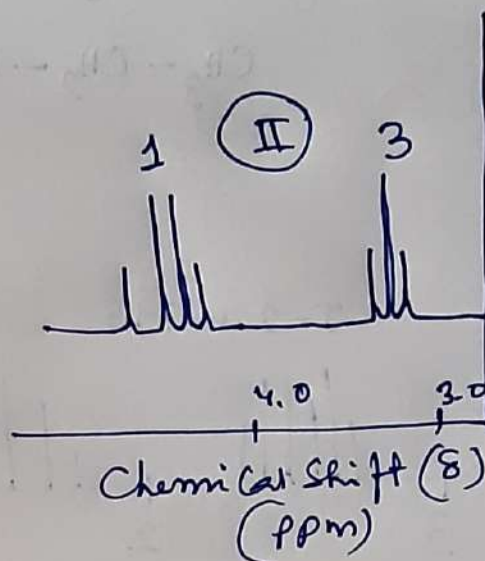
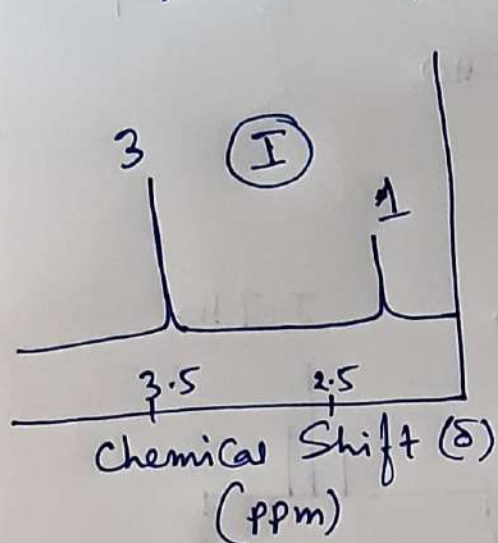
- * The ^1H NMR Spectrum of butanal is given below. Justify the assignment of multiplets to different protons.



- * Determine which hydrogens are equivalent and which are non-equivalent in the following compounds.



- * The singlets in the ^1H NMR spectrum (I) of an organic Compound when determined in CDCl_3 change to triplet-quartet pattern in (II) with added $\text{DMSO}-d_6$. Identify the Compound.



- * A Compound have molecular formula $\text{C}_8\text{H}_{12}\text{O}$ shows the following proton N.M.R Spectral data

$\delta_{1.1}$ (9H, s)

$\delta_{2.1}$ (3H, s)

Suggest the structure of the Compound.

clue:- First ~~at~~ determine the D.B.E.