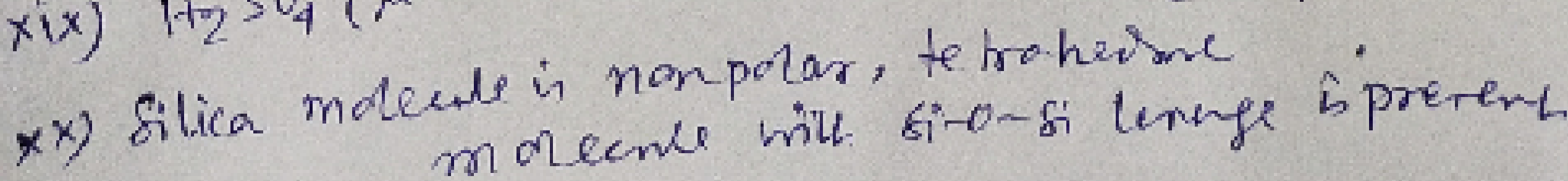
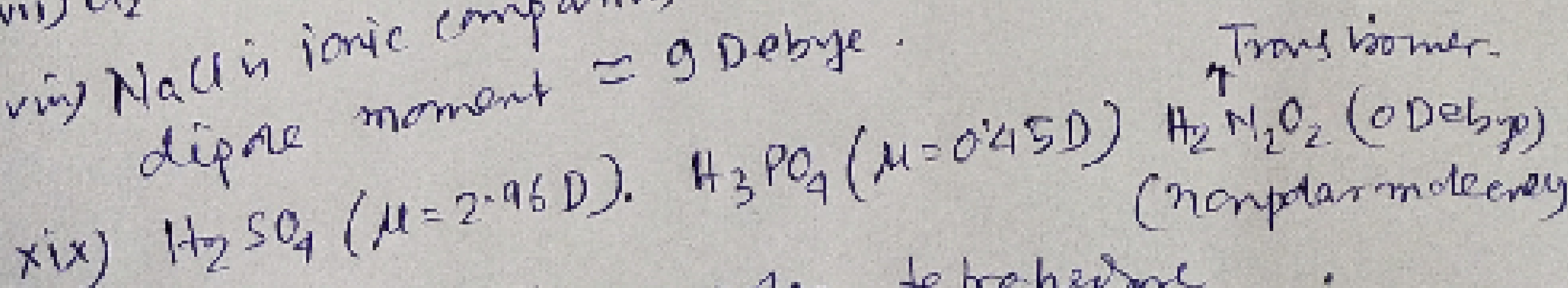
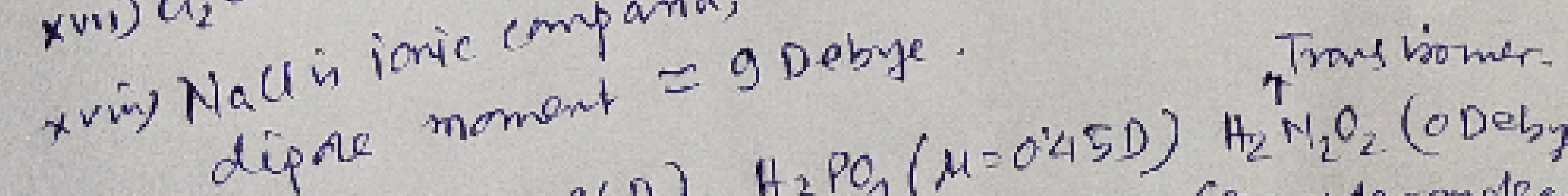
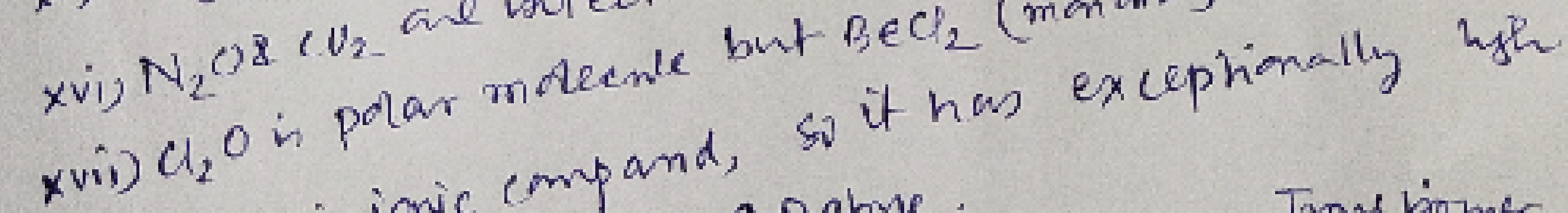
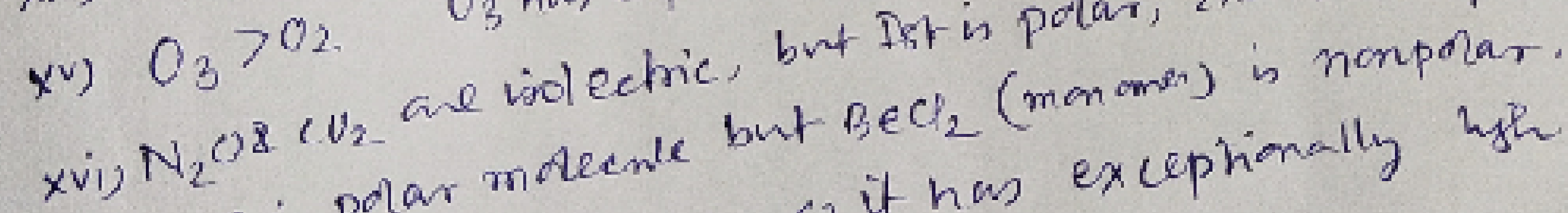
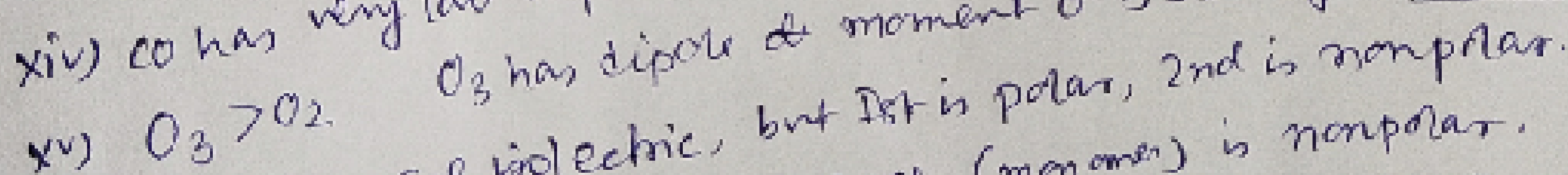
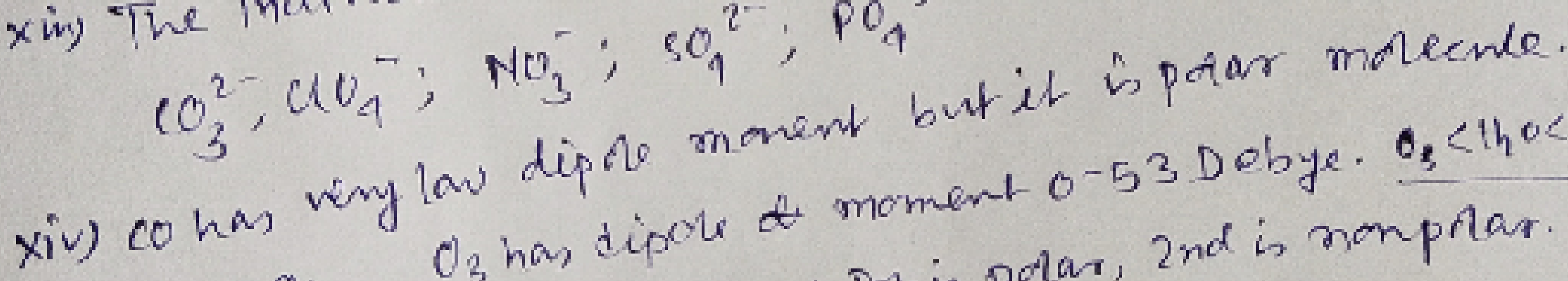
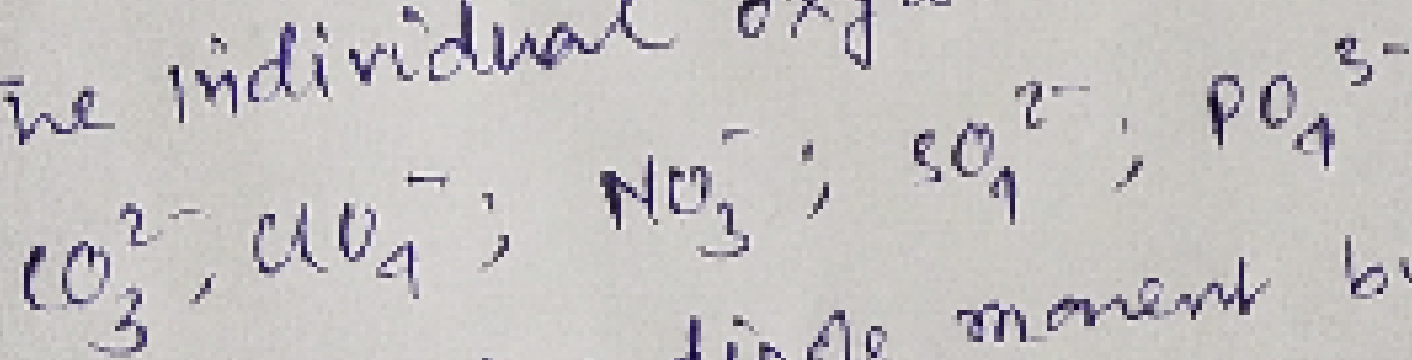
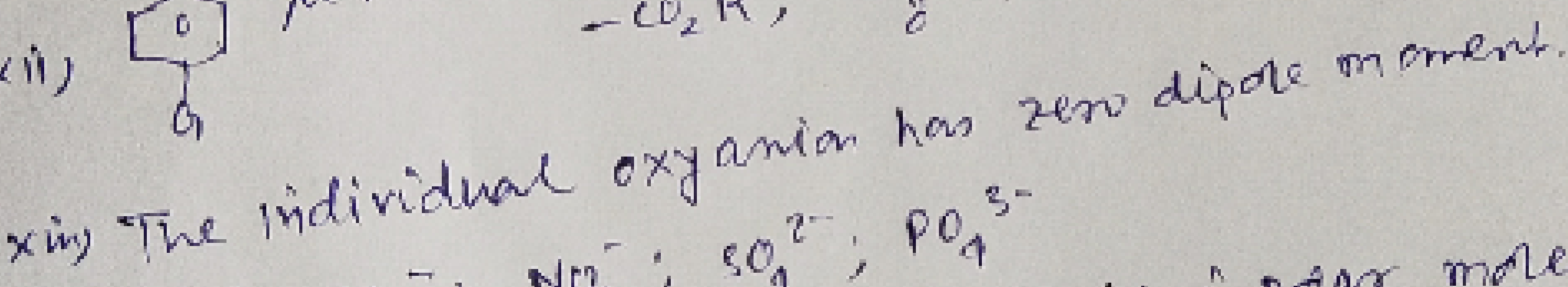
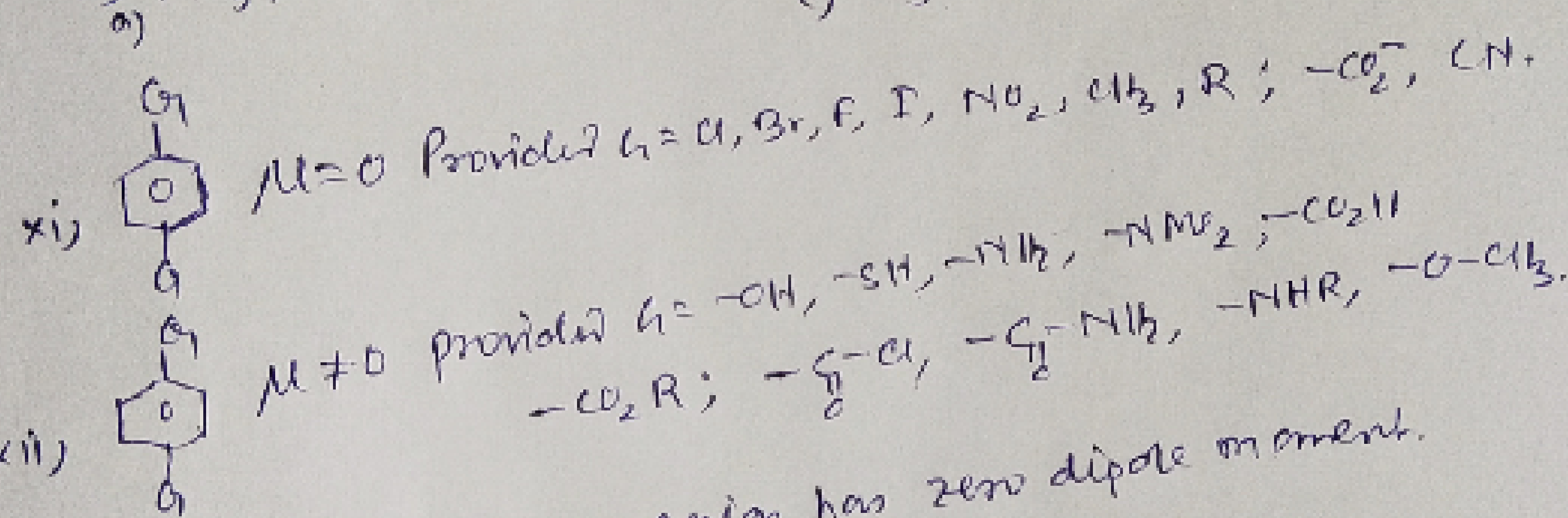
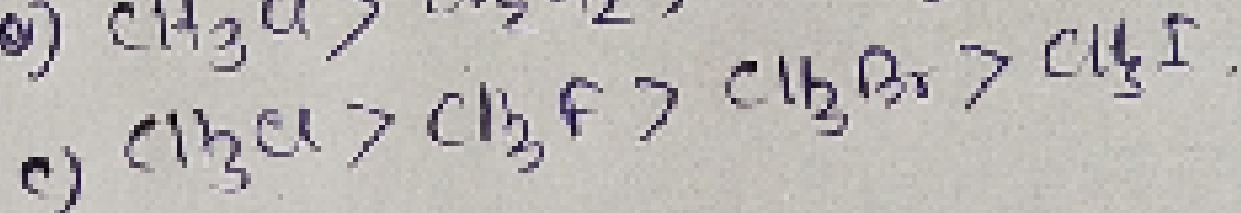
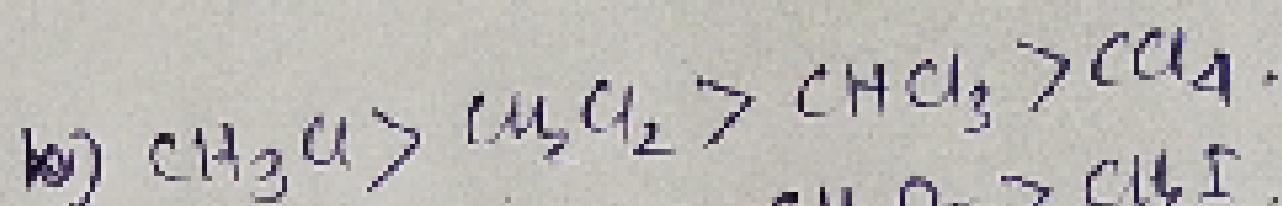
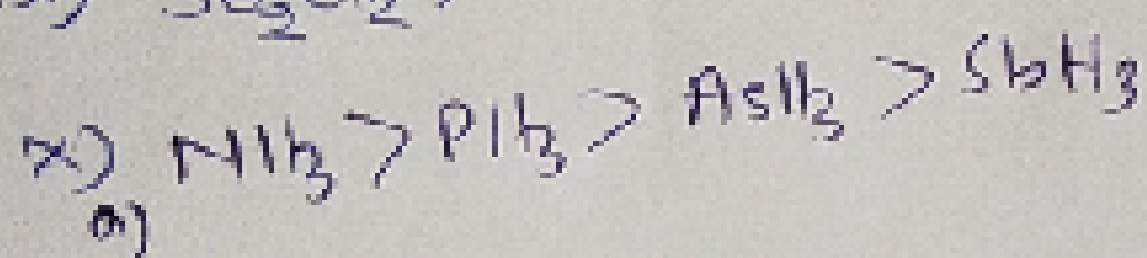
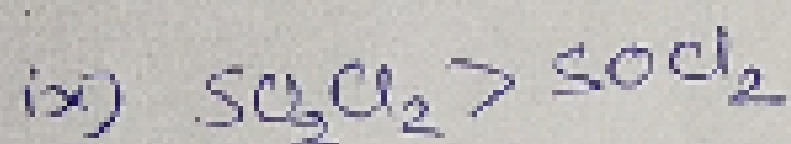
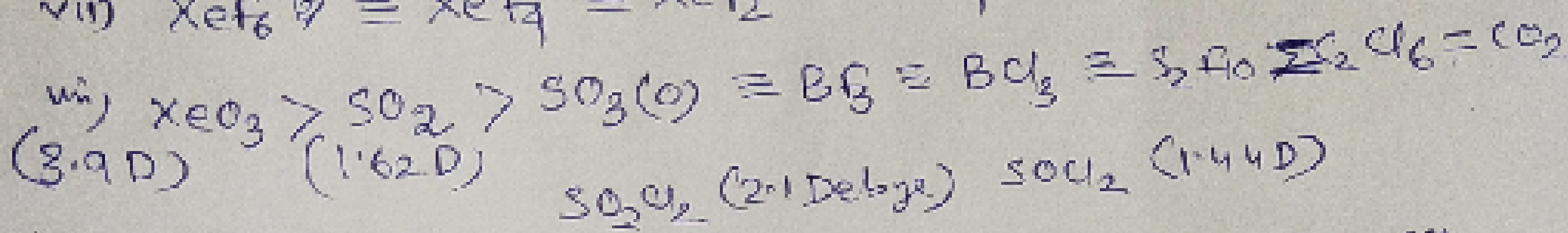
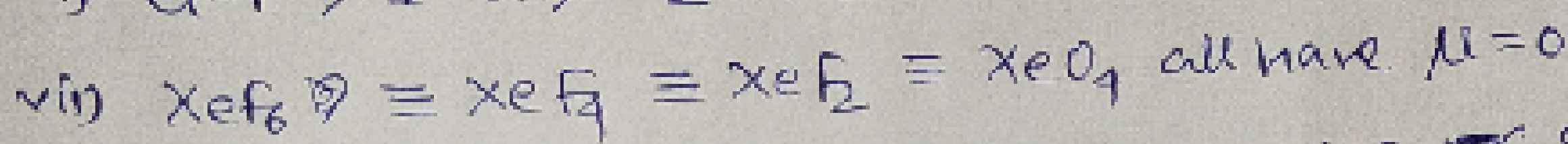
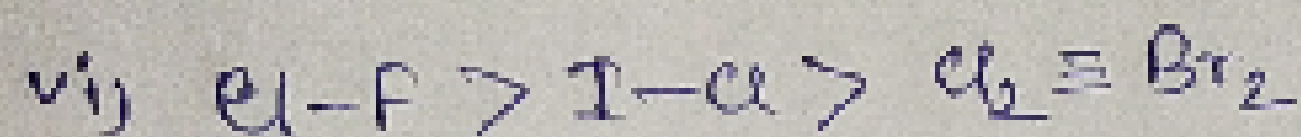
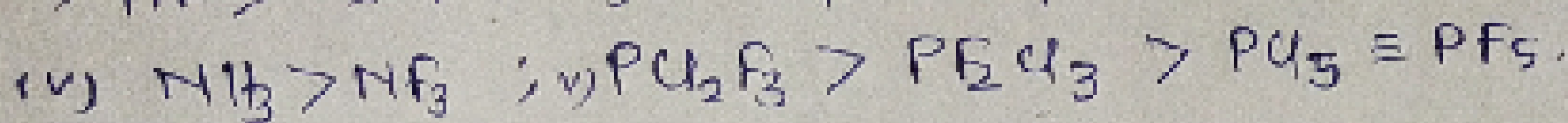
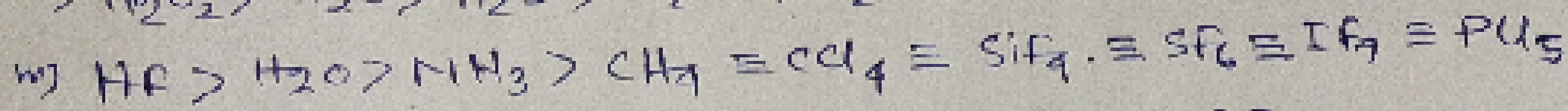
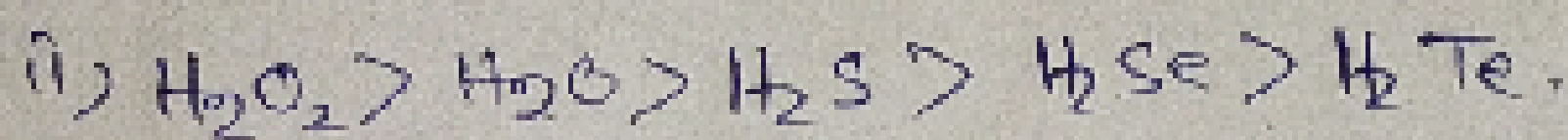
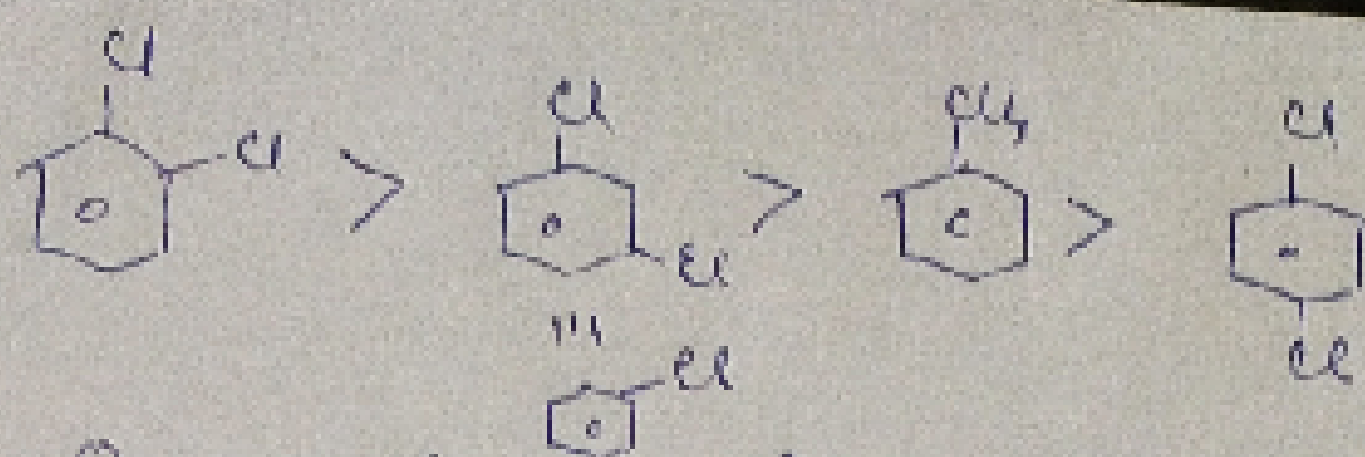


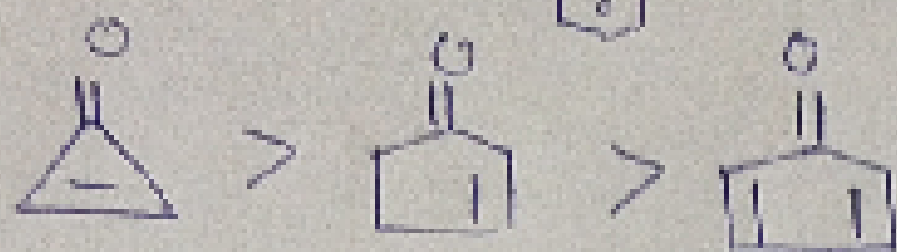
Dipole moment (Inorganic compound)



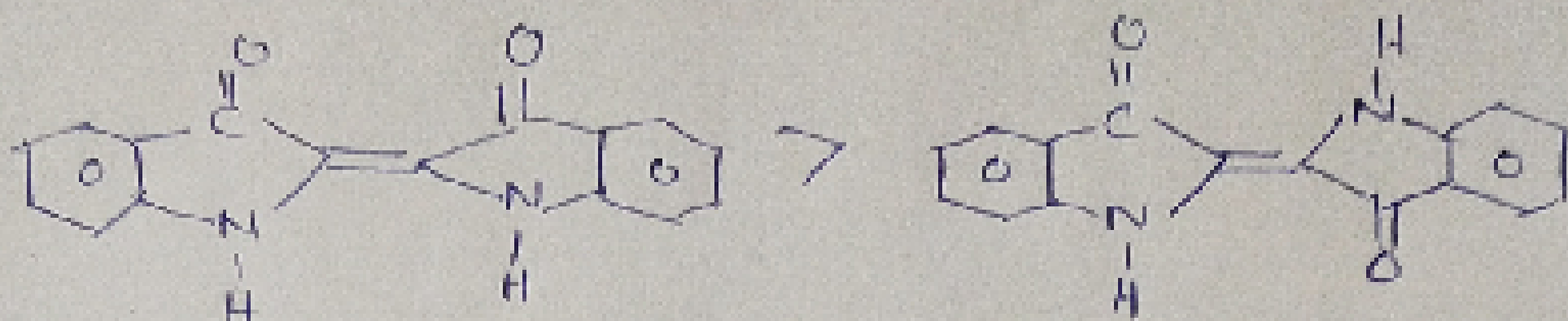
xiii)



xiv)



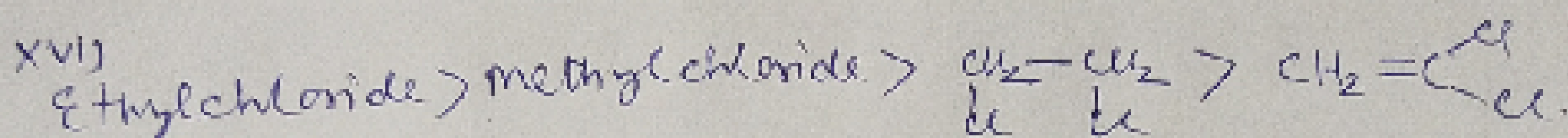
xv)



Cis isomer of Indigotin (dye)

Trans isomer (Indigotin)

xvi)



xvii) Acetone > Ethyl alcohol > Diethyl ether
Acetonitrile.

✓
HCl = 0.

xviii) $\text{CH}_3\text{CN} \Rightarrow 3.92$ Debye

$\text{CH}_3\text{C}\equiv\text{N} \Rightarrow 4.99$ Debye

$\text{CH}_3\text{CH}_2\text{OH} \Rightarrow 1.66$ Debye.

$\text{HCl} = 0 \Rightarrow 2.3$ Debye.

$\text{C}_2\text{H}_5\text{O}(\text{C}_2\text{H}_5) \Rightarrow 1.15$ Debye

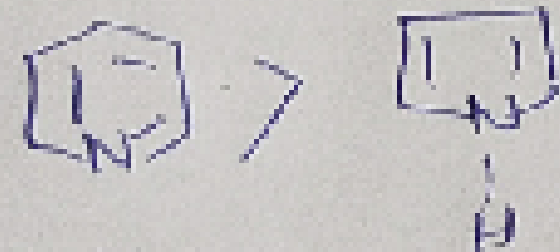
xviii) $\text{CH}_3\text{NH}_2 > (\text{CH}_3)_2\text{NH} > (\text{CH}_3)_3\text{N}$

1.31 Debye

1.03 Debye

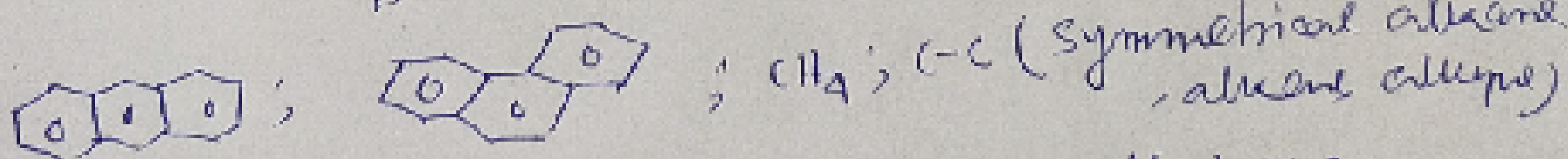
0.612 Debye

xix)



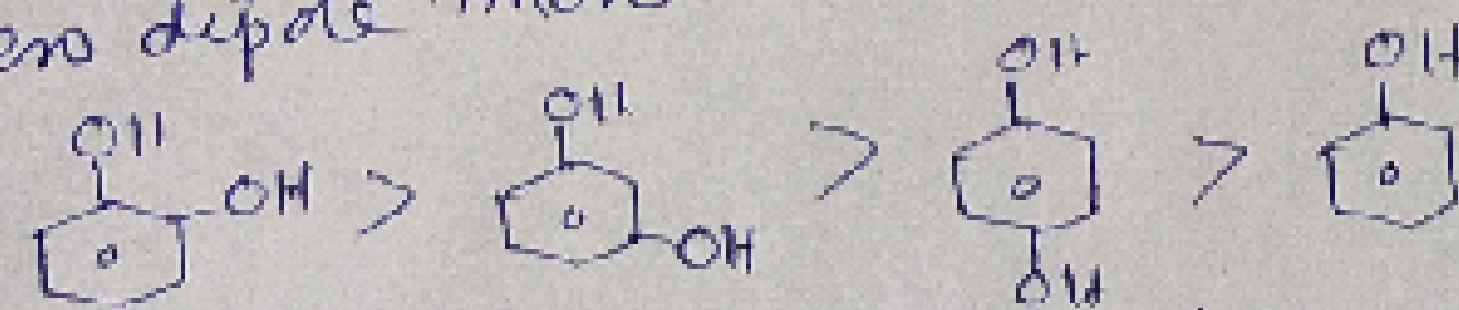
Dipole moment direction in both the compounds are in opposite direction.

xx)



$\text{F}_2\text{C}=\text{C}=\text{CF}_2$; Symmetrical allene all have zero dipole moment.

xxi)



Catechol

Resorcinol

Quinol

Phenol.

Dipole moment (Inorganic compounds)

