Ezenwaka Cynthia Chisom
19/MHS01/169
MBBS
CHM 102

1)

2)

i) a) Formyl Group (Aldehyde) (CHO)
b) Hydroxyl Group (OH)
c) Alkene Group (Double Bond)

ii) a) Carbonyl Group [$>C=O$]
b) Amino Group (NH_2)
c) Aromatic Group (Phenyl Group)

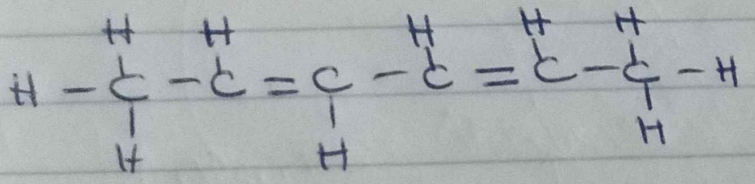
iii) a) Aldehyde Group
b) Hydroxyl Group
c) Double bond (Alkene Group)

2) $[\alpha]^T_\lambda = \frac{\alpha}{c \cdot L}$; $c = \frac{0.856}{10} = 0.0856\ g/cm^3$

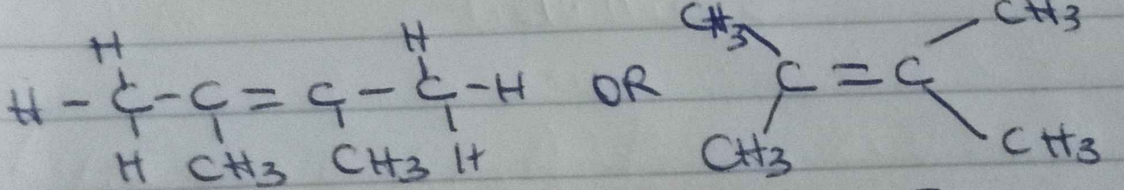
$[\alpha]^T_\lambda = \frac{+1.0^\circ}{0.0856 \times 1} = 11.68^\circ$

3)

i) Hexa-2,4-diene



ii) 2,3-Dimethyl but-2-ene



OR

[Neo-butene]