

PINNICK ITSE ORITSETSERUNDEDE

CHEMICAL ENGINEERING

19/ENGG01/013

CHM 102 Assignment

1.

i - Formyl group (Aldehyde) group (CHO)

- Hydroxyl group (OH)

- Alkene group (double bond)

ii - Keto group (carbonyl group) (C=O)

- Amino group (NH₂)

- Aromatic group (phenyl group)

iii - Aldehyde group

- Hydroxyl group

- double bond (Alkene group)

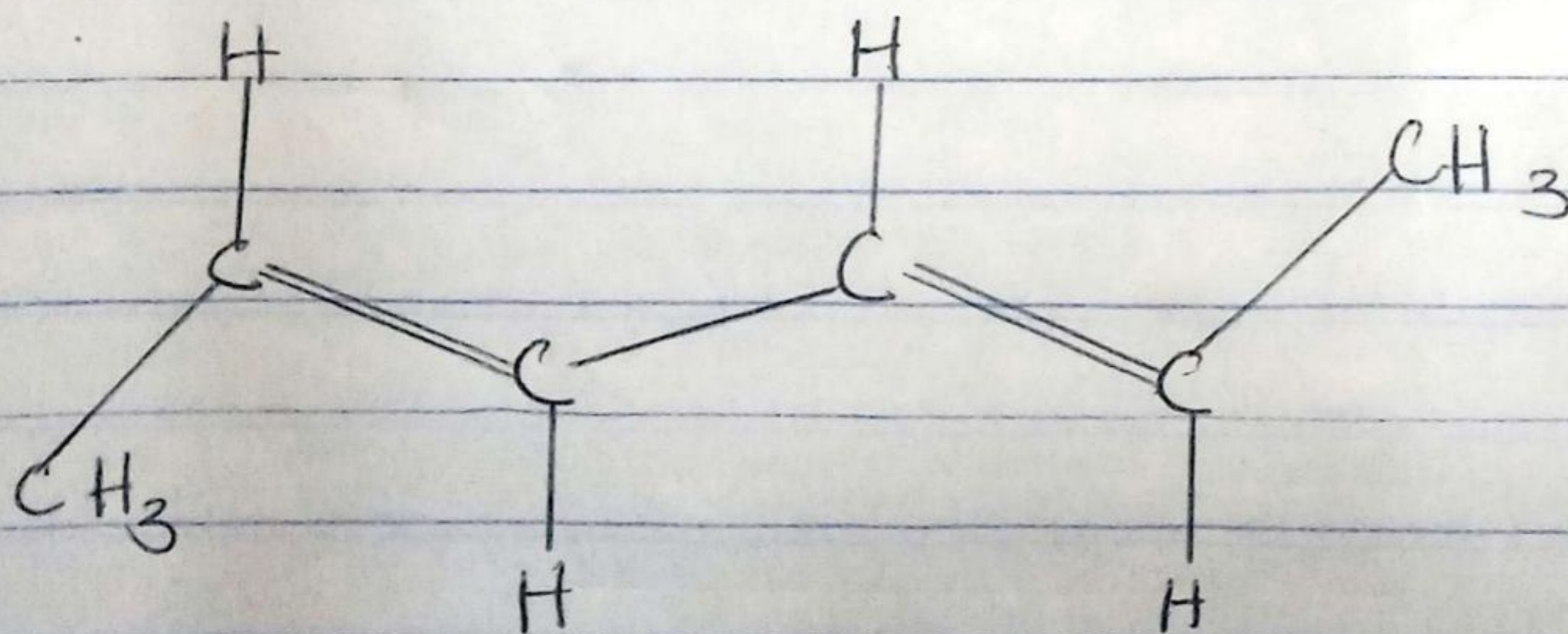
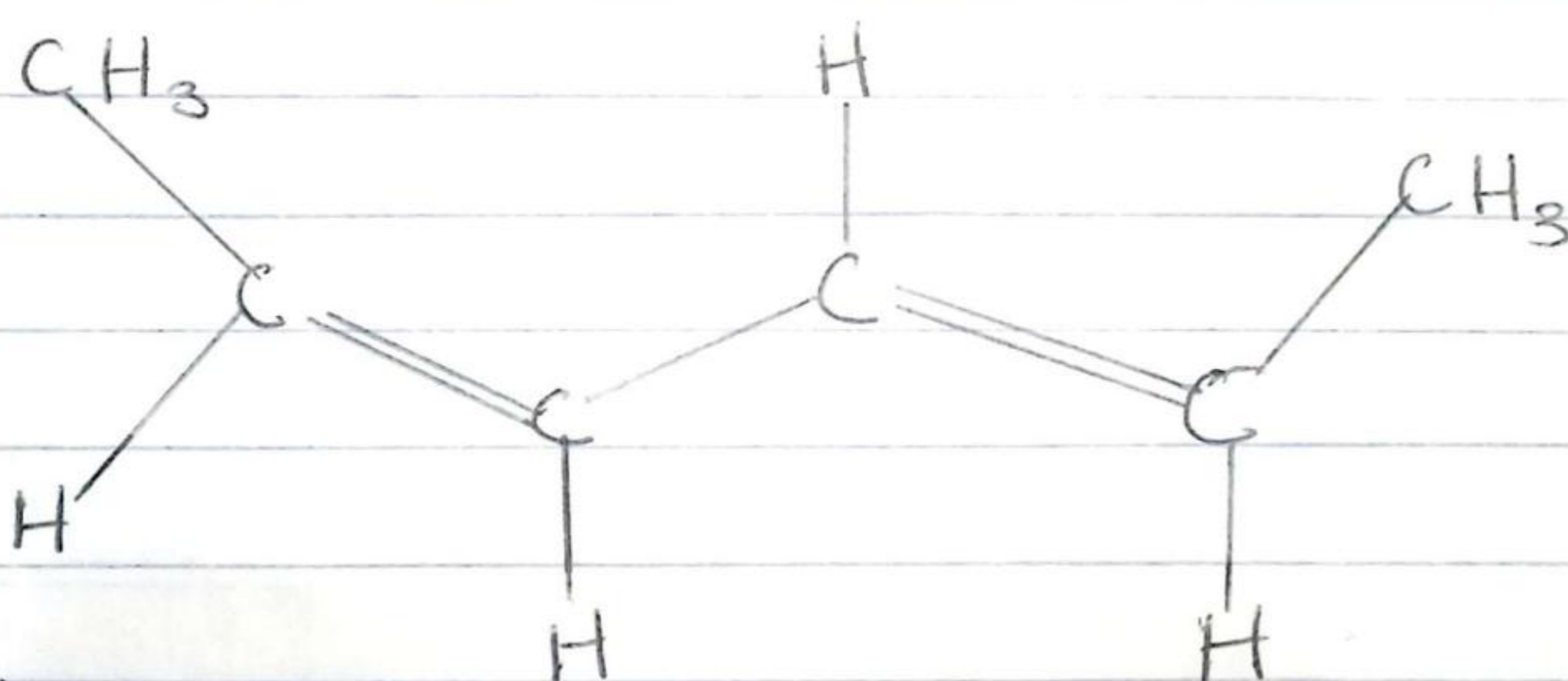
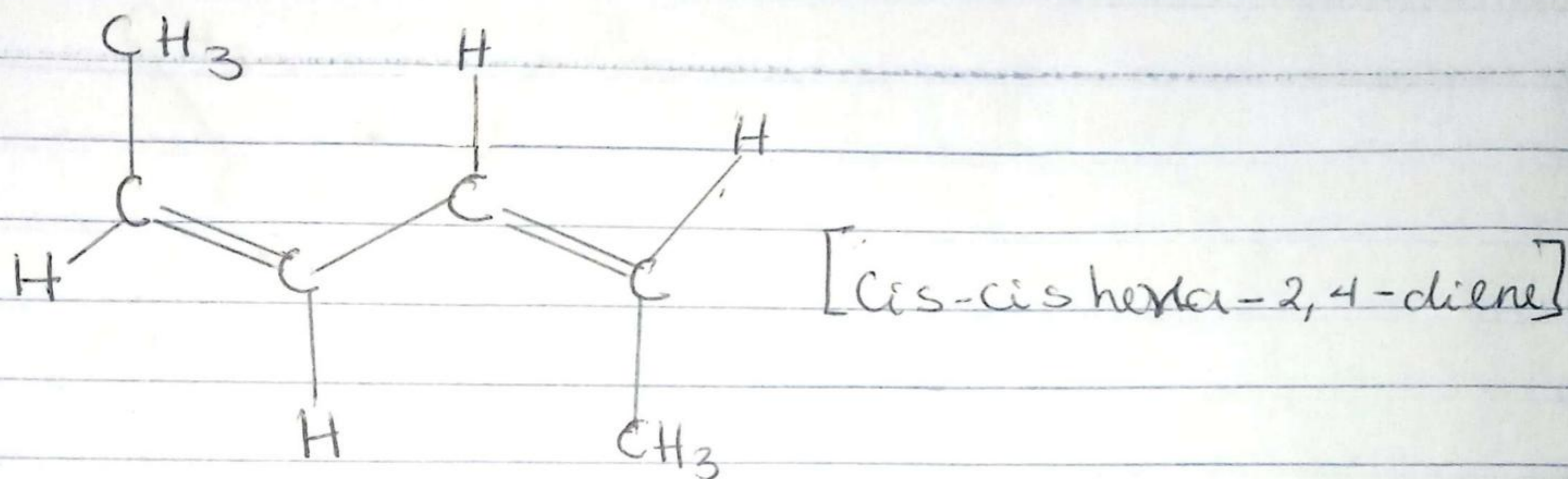
2 $[\alpha]_b = \frac{\alpha}{C \cdot l}$ (Tartaric acid = C₄H₆O₆)

$\alpha = +1.0$

Conc. in g/cm³ = $\frac{0.856}{10} = 0.0856$

$\therefore \alpha = \frac{+1.0}{0.0856} = 11.68^\circ$

3i) Hexa-2,4-diene



[trans-trans hexa-2,4-diene]

ii 2,3-dimethylbut-2-ene

