

③ LATUNJI ANUOLUWAPO TEMIJOPE CHM 102.

COMPUTER ENGINEERING.

19/ENG02/050

Assignment

1. (i) $\text{CH}_2 = \text{C}(\text{OH})\text{HCHO}$ — Alkanols. & Double bond group.
(ii) $\text{C}_6\text{H}_5\text{CH}(\text{NH}_2)\text{COCH}_3$ — Amides.
(iii) $\text{CH}_3\text{C} = \text{CHCH}(\text{OH})\text{CHO}$ — Alkanols, & Hydroxyl group & Double bond group.

2. ~~(i) Hexa-2,4-diene.~~

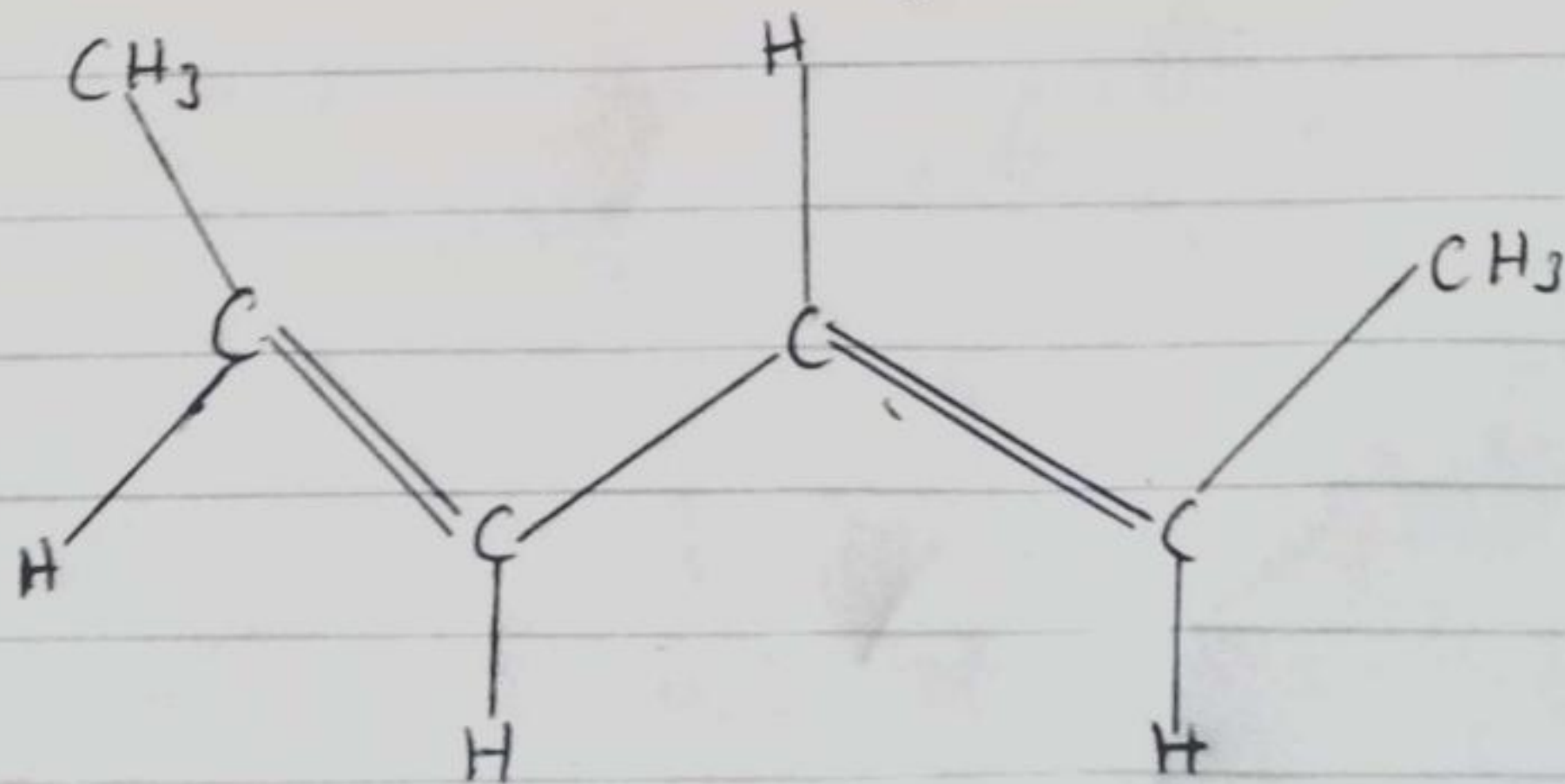
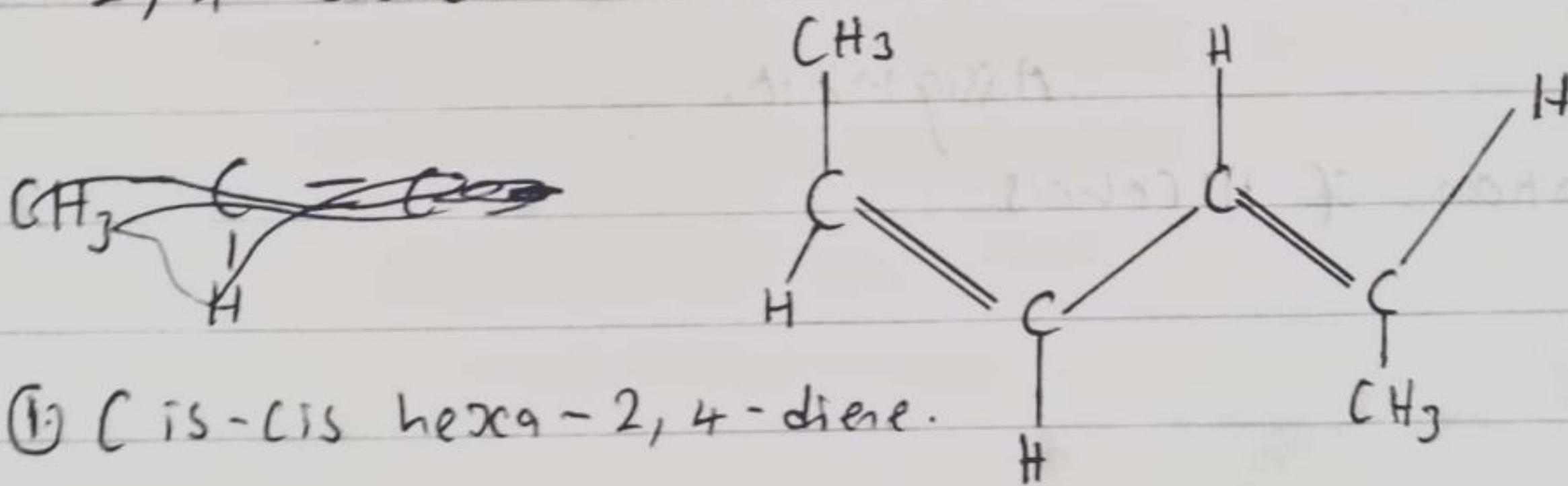
2. $[\alpha]_D^{25} = \frac{\alpha}{C \cdot l}$ Where Tartaric acid = $\text{C}_4\text{H}_6\text{O}_6$.

$$\alpha = +1.0.$$

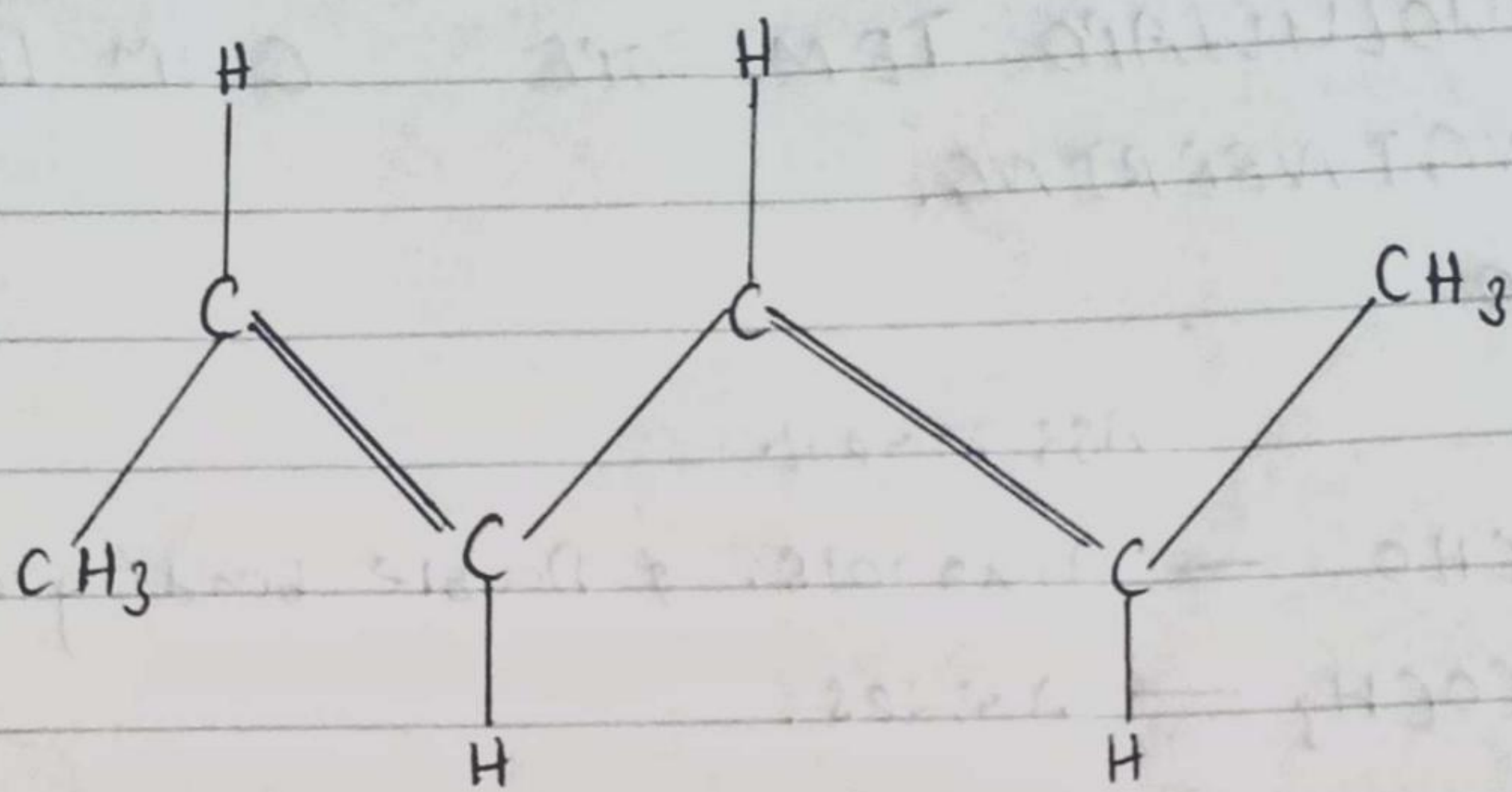
$$\text{Conc. in g/cm}^3 = \frac{0.856}{10} = 0.0856.$$

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

3(i) Hexa-2,4-diene.



(ii) Cis-trans hexa-2,4-diene.



(ii) Trans-trans hepta-2,4-diene.

3ii) 2,3-dimethylbut-2-ene.

