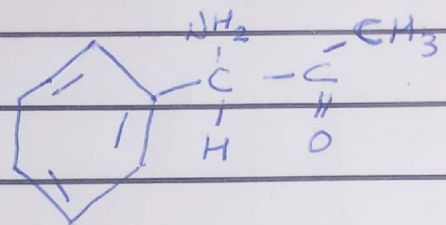
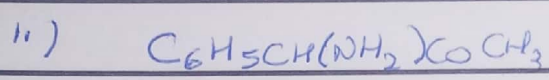
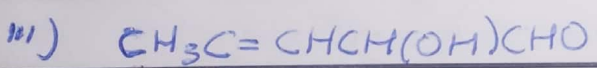


- a. Alkene
- b. Alcohol
- c. hydroxyl



functional groups

- a. phenyl group (C_6H_5) with double bonds
- b. Amine
- c. Alkane/ketone ($C=O$)



functional present

- Alkene
- Hydroxyl group
- Alkanol ($C-OH$)

2. Recall;

$$[\alpha]_D^T = \frac{\alpha}{l \times c}$$

where.

l = length of sample fuse-

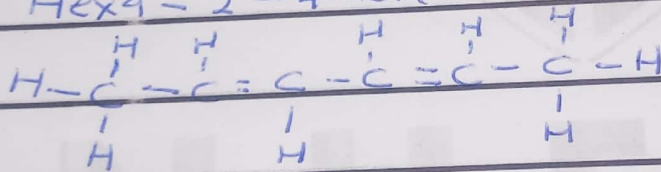
c = $\frac{\text{mass}}{\text{Vol.}}$ (g/dm^3) or (g/mol)

α = rotation

$$S_D = \frac{2.0}{1.0 \times \left(\frac{0.256}{10}\right)}$$

$$S_D = \frac{1}{0.0256} = 11.68$$

3) i, Hexa-2-ene



ii) 2,3-Dimethylbut-2-ene

