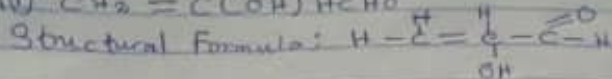
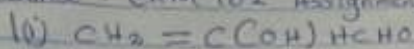


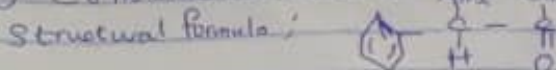
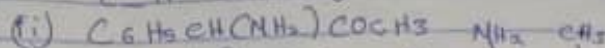
Name: Onyiah Angel Moreki
 Level: 100
 COURSE: CHM 102 Assignment

Dept: MBBS
 matric no: 191MHS011347



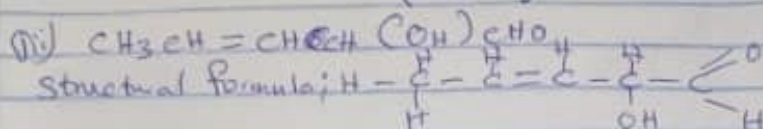
Functional group Present are:

- Double bond chain (Alkene)
- OH (hydroxyl group)
- $\overset{\text{O}}{\parallel}{\text{C}} - \text{H}$ (Alkanal)



Functional group present are:

- Phenyl group (C_6H_5) with double bonds
- Amine
- Alkanone / ketone ($\overset{\text{O}}{\parallel}{\text{C}} - \text{R}$)



Functional group present

- Alkene ($\text{C}=\text{C}$)
- hydroxyl group (OH)
- Alkanal ($\overset{\text{O}}{\parallel}{\text{C}} - \text{H}$)

2. Recall; $[\alpha]_D^T = \frac{\alpha}{l \times c}$

where

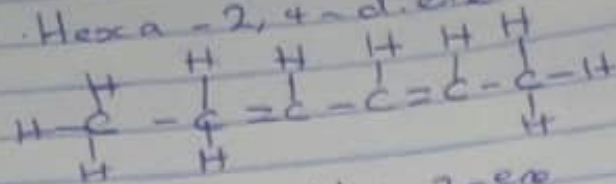
l = length of sample

c = mass/volume (g/dm^3) or (g/ml)

α = observed rotation

$$S_r = \frac{1.0}{1.0 \times \left(\frac{0.56}{10}\right)} = \frac{1}{0.056} = 11.68$$

30) Hexa-2,4-diene



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

