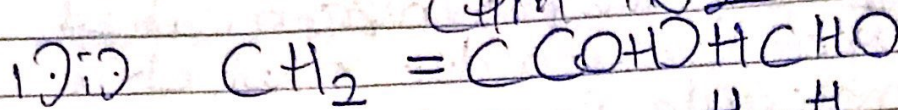


Henshaw David G.

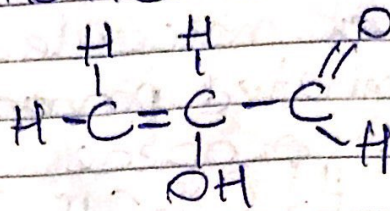
Civil Engineering

19/ENIG03/011

CHM 102




Structural representation

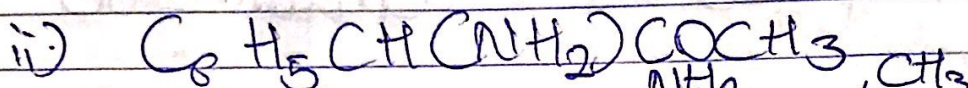


functional groups present:

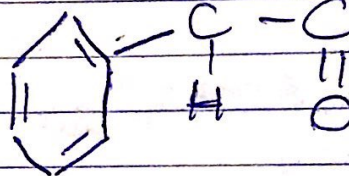
- Double bond chain ($\text{C}=\text{C}$) esp. Alkene

- OH group

-  Alkanol




Structural representation

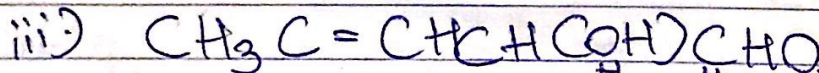


functional groups present:

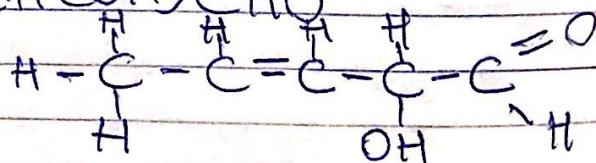
- Double bonds and phenyl group (C_6H_5)

- Amine (NH_2)

- Alkanone 



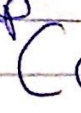
Structural representation



functional group present

- Double bond (Alkene $\text{C}=\text{C}$)

- OH group

- Alkanol 

2.) $m = 0.856g$ of pure tartaric acid
 $v = 10\text{cm}^3$, $r = 1.0\text{dm}$, $\theta = 20^\circ\text{C}$

soln

$$[\alpha]_{\lambda}^T = \frac{\alpha}{L \times C} \quad [\text{Using formula}]$$

L = length of sample solute

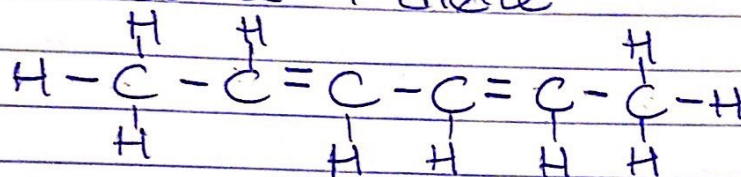
$C = \frac{\text{mass}}{\text{Vol.}}$ in g/dm^3 or g/mol

α = observed rotation

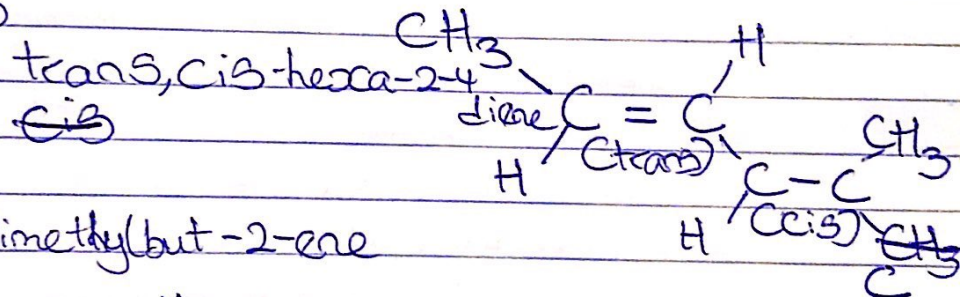
$$\delta r = \frac{1.0}{1.0 \times \left(\frac{0.856}{10}\right)}$$

$$\delta r = \frac{1}{0.0856} = \underline{\underline{11.68}}$$

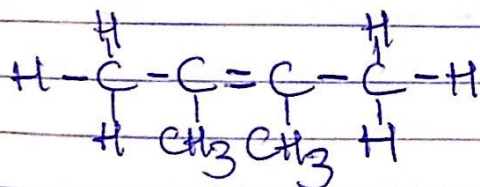
3.) Hexa-2-4-diene



is



ii) 2,3-Dimethylbut-2-ene



isomer
Neobutene

