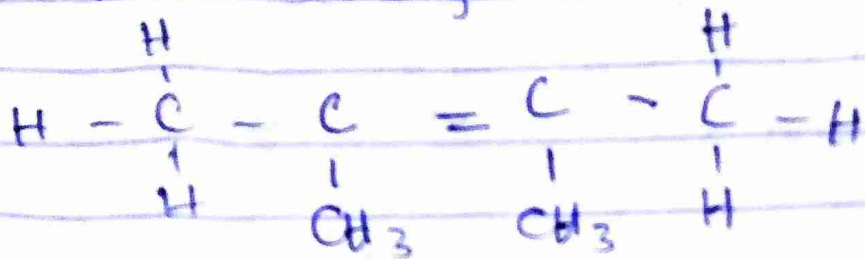
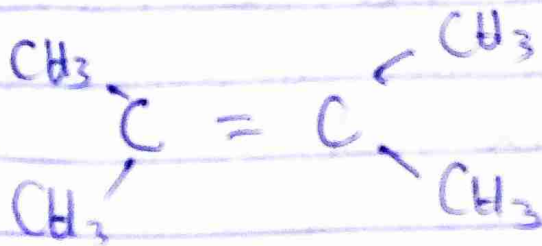


iv) 2,3 - Dimethyl - 2 - ene



OR



CHM 102 : Assignment on Stereochemistry and functional groups

NAME: TOBI FAVOUR EBIMBORRE

MATRIC NO: 191904301/407

Department: Medicine and Surgery

- 1a $\text{CH}_2 = \text{C}(\text{OH})\text{HCHO}$ \rightarrow Aldehydes or alkanals
b $\text{C}_6\text{H}_5\text{CH}(\text{NH}_2)\text{COCH}_3$ \rightarrow Acetyl
c $\text{CH}_3\text{C} = \text{CHCH}(\text{OH})\text{CHO}$ \rightarrow Aldehydes or alkanals

2. Given: mass of pure tartaric acid = 0.856g

• volume of H_2O = 10cm^3

1.0dm polarimeter tube

The observed rotation at 20°C was $+1.0^\circ$

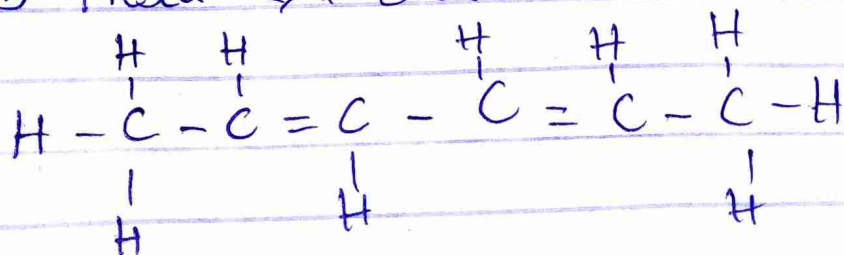
Specific rotation =

Specific rotation = $\frac{\text{Observed rotation (degrees)}}{(\text{Conc g/cm}^3) \times \text{Path length of sample cell in dm}}$

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

$$\therefore \text{Specific rotation} = \frac{1}{0.0856 \times 1} = \frac{1}{0.0856} = 11.68$$

3ii) Hexa-2,4 diene



Isomers

