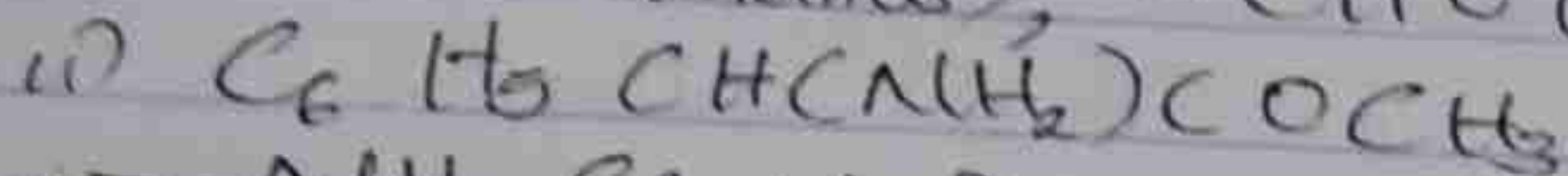


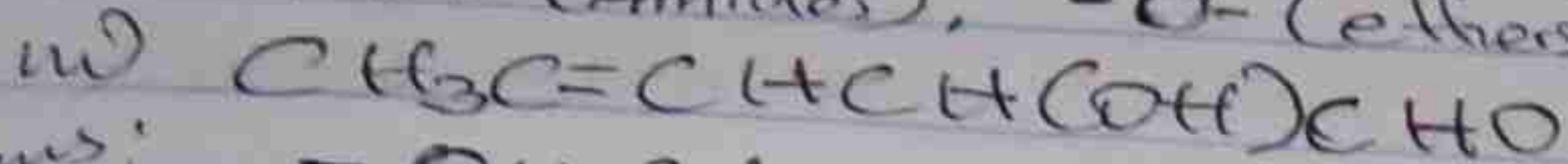
Name: Aziegbu Cynthia Ezechi
Matric. No: 19/MH501/109
Dept: Medicine & Surgery



→ -OH (alkenols), -CHO (aldehyde)



→ -NH₂ (Amides), -O- (ethers)



→ -OH (alkenols), -CHO (aldehyde)

2) Observed rotation

Concentration in $g/cm^3 \times$ path length of sample cell in dm

Observed rotation = 1.0°

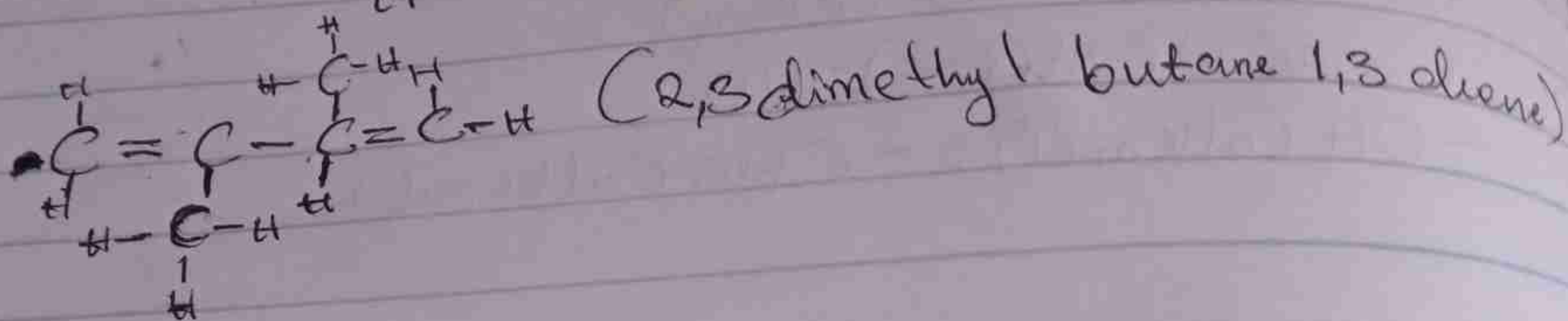
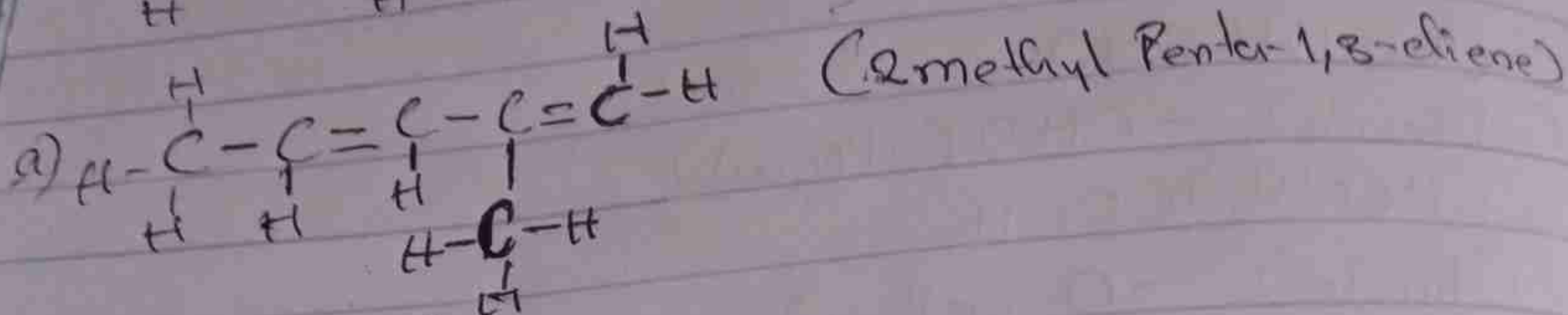
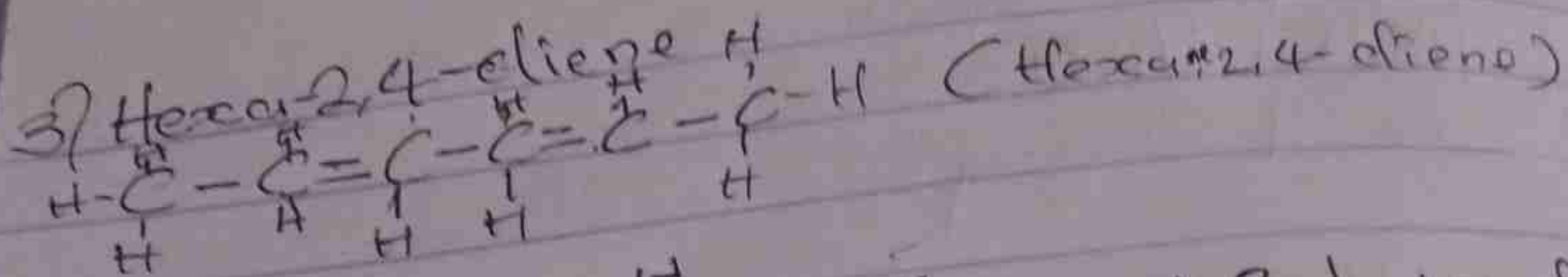
Concentration = $0.0856 g/cm^3$

Path length = 1 dm

$$\alpha = \frac{1}{0.0856 \times 1}$$

$$0.0856 \times 1$$

$$\alpha = 11.6822^\circ g^{-1}cm^3 dm^{-1}$$



w) 2,3 dimethyl butene

