

15-MAY-2020

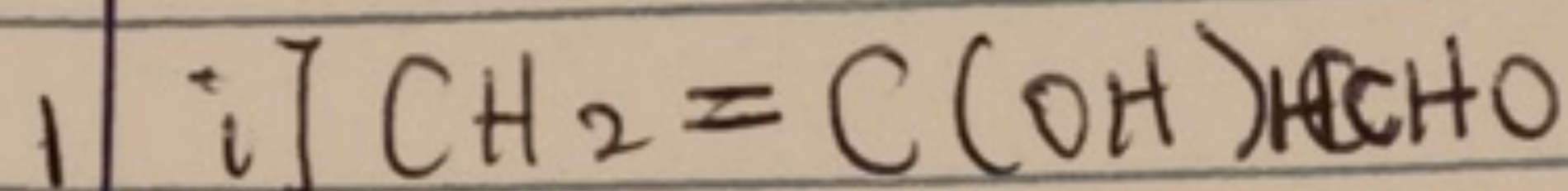
19/MTHSO1/019

NAME AKWAWO HELEN KENNEDY

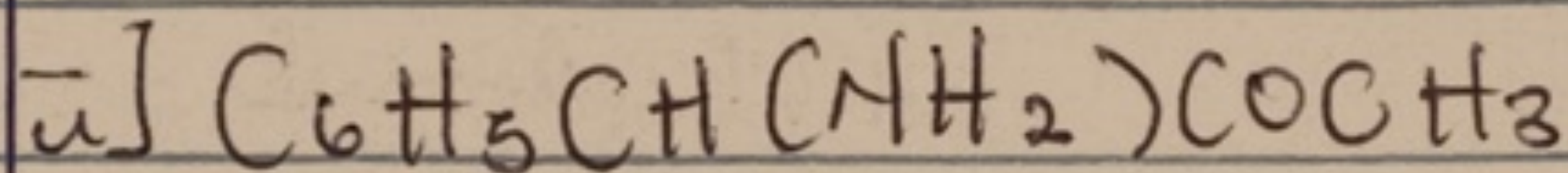
MATRIC NO 19/MTHSO1/019

DEPT MBBS; 100 L

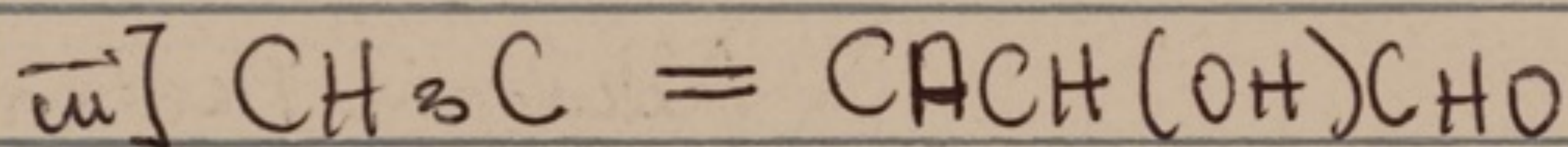
COURSE CHEM 102



Functional groups present; double bond chain (alkene)  
OH (hydroxyl group)  
 $\text{C} \begin{array}{l} \text{=O} \\ \text{-H} \end{array}$  (alcohol)



Functional groups present; phenyl group ( $\text{C}_6\text{H}_5$ ) with double bonds  
Amine  
Alkanone  $\left[ \begin{array}{c} \text{C} - \text{R} \\ \parallel \\ \text{O} \end{array} \right]$



Functional groups present; Alkene ( $\text{C} = \text{C}$ )  
Hydroxyl group (OH)  
Alcohol  $\left[ \begin{array}{c} \text{C} \text{=O} \\ \text{-H} \end{array} \right]$

2 
$$[\alpha]_{\lambda}^T = \frac{\alpha}{l \times c}$$

$l$  = length of sample tube  
 $c$  =  $\frac{\text{mass}}{\text{volume}}$  (g/dm) or (g/mol)

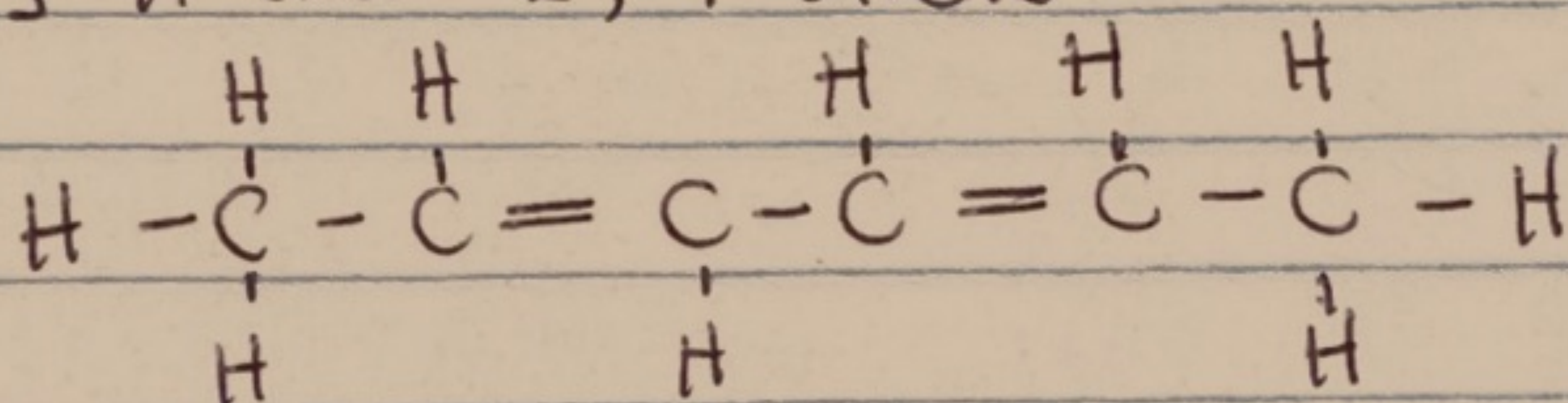
$\alpha$  = observed rotation

19/MTHSO1/029

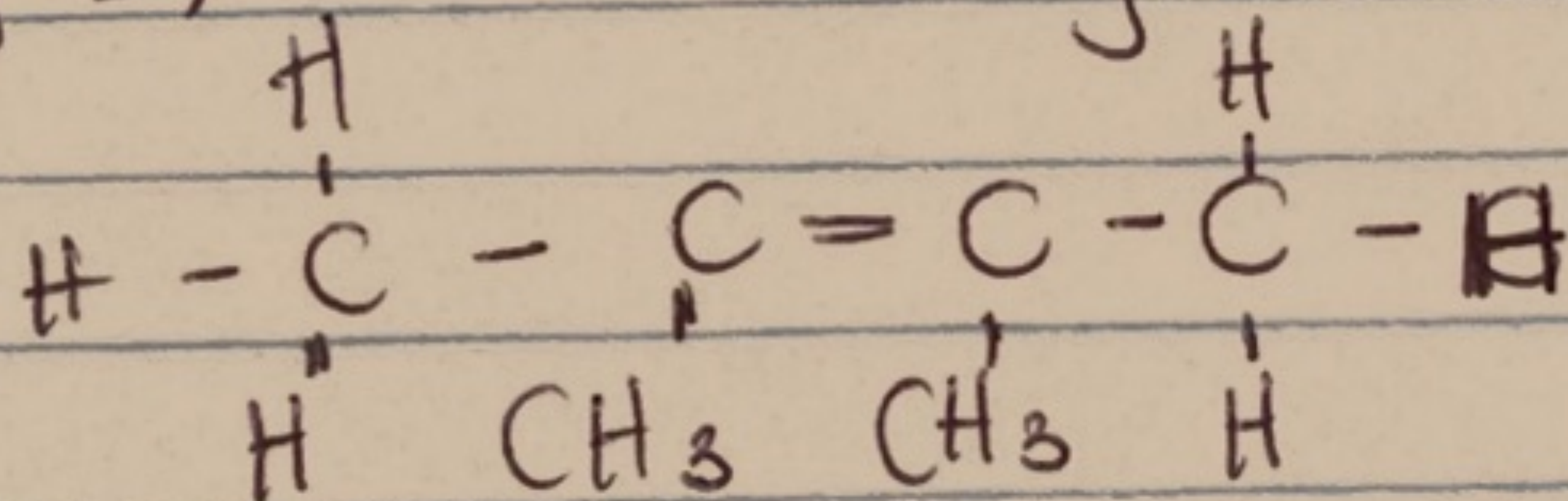
$$S_r = \frac{1.0}{1.0 \times \left( \frac{0.856}{10} \right)}$$

$$S_r = \frac{1}{0.0856} = 11.68$$

3. i] Hexa-2,4-diene



ii] 2,3-dimethylbut-2-ene.



OR

