

NAME: NNABUIKE CHIAMAKA ASSUMPTA

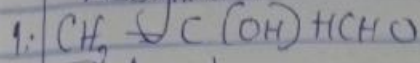
MATRIC NO: 19/MHS01/259

DEPARTMENT: MBBS/MHS

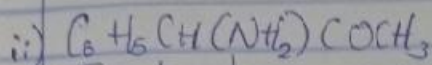
LEVEL:100LVL

COURSE:CHM102

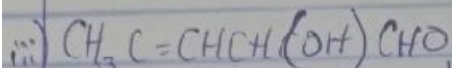
Assignment



Functional groups present: - OH (Alcohol)
: - CHO (Aldehyde)



Functional groups present : C_6H_5 (phenyl group)
: - NH_2 (Amine)
: - $\text{C}=\text{O}$ (Alkanoes)



functional groups present: - OH (Alcohol)
: - CHO (Aldehyde)

2.
$$\alpha_{\lambda}^T = \frac{\alpha}{c \cdot l}$$

$$c = \frac{\text{mass}}{\text{volume}} = \frac{0.856}{10} = 0.0856 \text{ g/mol}$$

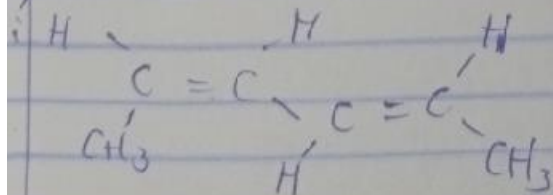
α - observed rotation = 1°

l = path length in dm = 1 dm

$$\alpha_{\lambda}^T = \frac{1}{0.0856 \times 1}$$

$$\alpha_{\lambda}^T = 11.682^\circ$$

a) Hexa-2,4-diene



cis-trans-hexa-2,4-diene

