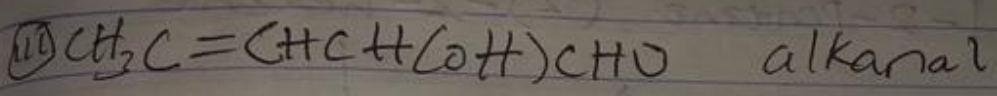
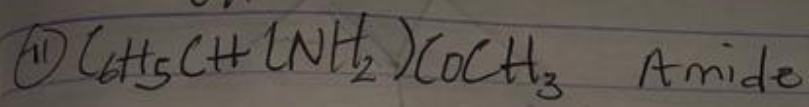
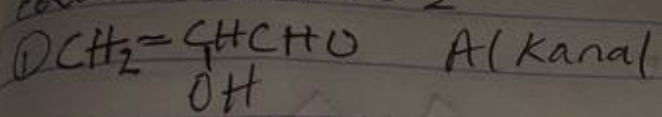


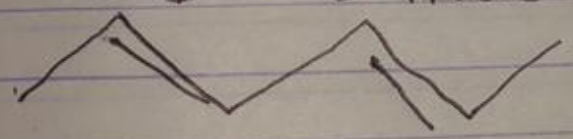
Name - Udwerbolo Eboselutu Miracle
Matrix no: 19/mhs11/140
DEPT: Pharmacy
course: Chm 102



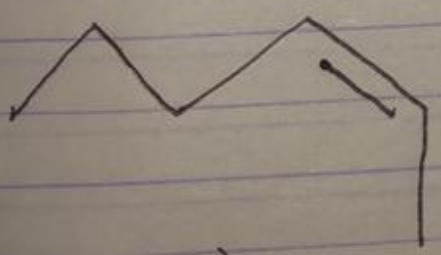
④ Specific rotation = $\frac{\text{Observed rotation (degrees)}}{(\text{Concentration } \text{g/cm}^3 \times \text{Path length of simple cell in dm})}$

$$= \frac{+1.0}{(0.085 \text{ g/cm}^3)(1 \text{ dm})}$$
$$= 11.8 \text{ g}^{-1} \text{ cm}^3 \text{ dm}^{-1}$$

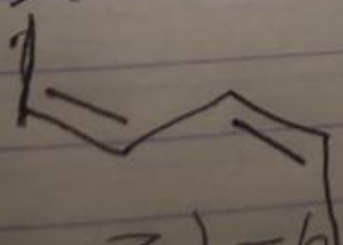
⑤ Hexa-2,4-diene
Possible isomers are



(2E,4E)-hexa-2,4-diene

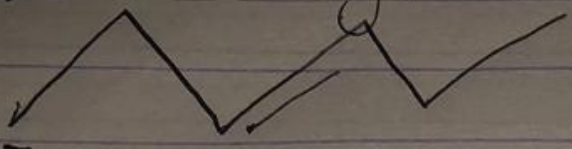


(2E,4Z)-hexa-2,4-diene

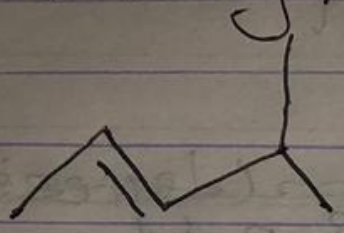


(2Z,4Z)-hexa-2,4-diene

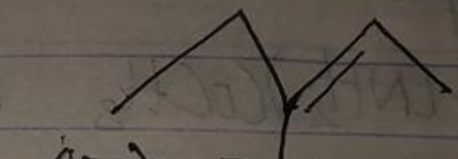
① 3,3-Dimethylbut-2-ene



[E]-4-methyl-1-pentene



(Z)-3-hexene



(Z)-2-hexene



(Z)-3-methyl-2-pentene