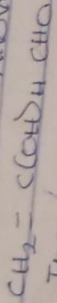
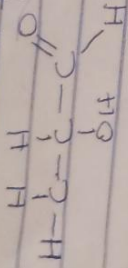


NAME: Batahola Dialumeke folako
DEPT: MBBB
MATIC: 191M591382
H.O: CHEM 102
COURSE CODE: CHEM 102

1) ANSWER



The structural formula



Functional present are

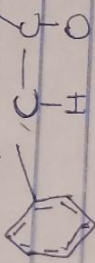
- Double bond chain (Alkene)

- Off hydroxyl group

- C° (Alkanol)

H

2) $\text{C}_6\text{H}_5\text{CH}(\text{NH}_2)\text{COCH}_3$
Structure; NH₂ CH₂



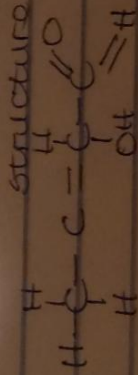
Functional present are

- Phenyl group (C_6H_5) with double bonds

- Amide

- Alkanone / Ketone ($\text{C}^\circ-\text{R}$)

3) $\text{CH}_3\text{C} \equiv \text{CH}$ or $\text{C}(\text{OH})\text{CHO}$



Functional present

- Alkene ($\text{C}=\text{C}$)

Hydroxyl group (OH)

Alkanol ($\text{C}^\circ-\text{H}$)

3) Recall I-2

[X] OIXC

where

l = length of complete wave

c = mass (g/dm³) or (g/mol)

v or

α = ~~is~~ observed rotation

$$SR = 1.0 \times (0.856)$$

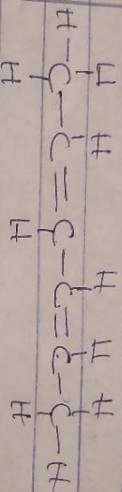
1.0

(15)

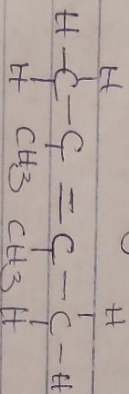
$$SR = 1 = 11.69$$

0.856

3) Hexa-2-4 diene



2,3 Dimethyl but-2-ene



OR

