AJISE TENIOLA PRECIOUS

19/MHS01/069

MBBS

CHEMISTRY 102

ASSIGNMENT

1. NAME THE FUNCTIONAL GROUP PRESENT IN EACH OF THE FOLLOWING MOLECULES

I.CH2=C(OH)HCHO

The structural formula:

H H O

H- C C C

OH H

Functional present are:

-double bond chain=(alkene)

-OH(hydroxyl group)

- O

C (alkanol)

H

II. C6H5CH(NH2)COCH3

The structural formula:

­NH2 CH3

C C

H O

Functional present are:

-phenyl group (C6H5) with double bond

-amine

-alkanone/ketone R

C

O

Iii CH3C=CHCH(OH)CHO

The structural are:

H H H O

H C C =C C C

H OH H

Functional present are:

-alkene(C=C)

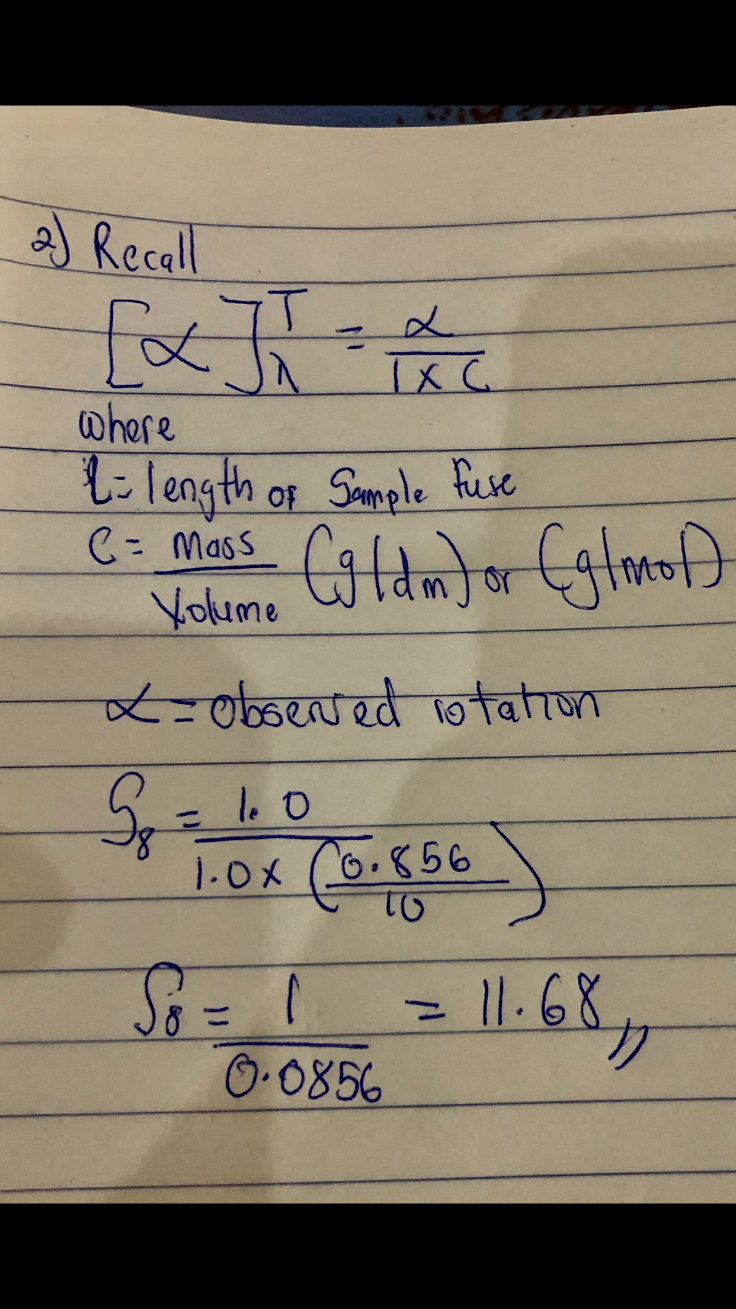
-hydroxyl group(OH)

-alkanol O

C

H

2



3. DRAW THE POSSIBLE GEOMETRIC ISOMERS FOR THE FOLLOWING COMPOUND

I.Hexa-2,4-diene

H H H H H

H C C C=C C= C C H

H H H

II. 2,3-Dimethylbut-2-ene

H H

H C C C C H

H CH3 ­CH3 H