ANYAKORAH RAPHAEL CHINONDU

PHARMACY

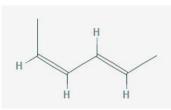
19/MHS11/030

CHEM 102 (ASSIGNMENT)

1&2.

C11.0.10.2	1
$\frac{\text{CHM 102}}{1 \cdot \text{a}} = C(\text{OH}) + C + 0$	2) massor taxfratic acid 3
Function al gropt present:	0.8569
- Double bond chain (Atkene)	vol. of water filuted in
	$=10 \text{ Gm}^3$
- oft (flydroxyl group) - C=0 (Alkanol) 'H	Recall,
- (Alkanol)	Mass conc. (c)= Mass = 0.7569
b) C6H5 CH (NH2) COCH3	vol locm3
INH2 CH	Mass conc. (c)= Mass = 0.756g vol 10cm ³ = 0.0856g/cm ³
CNH2 CH3	Vol. oppolonimeter tube = 1 dm3
(i) HO	.". length vptube = 1 dm
~/	Observed rotation (x) = +1.0
Functional group present:	Observed rotation (x) = 41.0° at 20°C
- phenol group mite double	Specific rotation [x] =?
bonde	$[\alpha] = \alpha$
- Amane (NHZ)	C×L
- Amive (NH2) - Alkanohe (ketone C=0 R	$C \times l$ = $\pm 1.0^{\circ}$
Actomicia (rais)	0.0856gcm3x 1clm
c) $CH_3 C = CHCH(OH)CHO$	[x] = +1 =+11.6882°
E h - 1 mais Decempt	EX] = +1 =+11.6882° 0.0256
Functional group present	
- Double bond (=) - C=0 #lkanol	
- the section of more D.	
- OH Hydroxyl group.	

3. Hexa-2,4-diene – has only 3 isomers



Isomers

trans-trans isomer	cis-trans isomer	<i>cis-cis</i> isomer
\sim		
(2E,4E)-hexa-2,4-diene	(2E,4Z)-hexa-2,4-diene (2Z,4E)-hexa-2,4-diene	(2Z,4Z)-hexa-2,4-diene

B. 2,3 dimethy but-2-ene. - does not have geometric isomers because there are two identical groups attached to the same carbon of the double bond.

