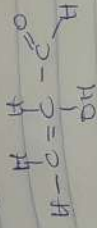


Non-die Peace Ullama

Chem 102

19/Misc/1262

1. $C_{12}H_{22}O$ (OH) H_2O
The structural formula



Functional presatures

- Double bond chain = (alkene)

- off (hydroxyl group)

- $C=O$ (aldehyde)

(ii) $C_{15}H_{16}N_2O$ (alk) $C_{15}H_{16}$



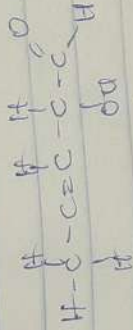
Functional present

- Phenyl group (C_6H_5) with double bond

- Amine

- Alkanone/ketone ($C=O$)

(iii) $C_{12}H_{22}O$ (OH) H_2O
Structure:



Functional present

- Alkene ($C=C$)

- Hydroxyl group (OH)

- Alkanol ($C-OH$)

(b)

$$[\alpha]_D^{25} = \frac{\alpha}{l \cdot c}$$

where

l = length of sample tube
 c = mass (g/ml) or (g/ml)

α = observed rotation

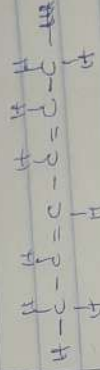
$$S_r = \frac{1.0}{1.0 \times (0.856)} = 1.168$$

$$S_r = \frac{1}{0.856} = 1.168$$

(3)

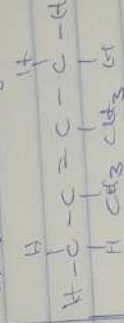
(i)

Hexa-2,4-diene



(ii)

2,3,4-trimethylbut-2-ene



or

