**AJIBOLA ARAFAT OLAYEMI**

**19/MHS11/023**

**PHARMACY**

**CHEM 102 ASSIGNMENT**

1ai. Double bond (alkene)

ii. OH hydroxyl group

iii. alkanol

bi. phenoyl group with double bond

ii. amine

iii. ketone

ci. alkene

ii. hydroxyl

iiii. alkanol

2. mass of tartaric acid=0.865g

Volume of water diluted=10cm3

Mass concentration=mass/volume=0.865g/10cm3=0.0865g/cm3.

Volume of polarimeter tube =1dm3

Length of tube=1dm

Observed rotation=+1.0 at 200c

Specific rotation =?

Specific rotation=+1.0/0.0865x1 dm

Specific rotation=+11.68

3. Hexa -2,4-diene

