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DEPARTMENT:Pharmacy

MATRIC NO:19/MHS11/143

ASSIGNMENT ON STEREOCHEMISTRY AND FUNCTIONAL GROUP

1. A)CH2=C (OH)HCHO----->OH(alcohols) and CHO (alkanals)

B)C6H5CH (NH2)COCH3----->NH2 (amines) and CO (ketone)

C)CH3C=CHCH (OH)CHO----->OH (alcohols) abd CHO (alkanals)

2. Specific rotation= Observed rotation (in degree)

Concentration in g/cm^3 × path length of sample cell in dm

Amount in grams=0.856

Amount in cm^3=10cm^3

Conc. In g/cm^3=0.856

10

=0.0856g/cm^3

Path length of the sample in dm =1dm

Specific rotation= +1.0°

0.0856×1

Specific rotation =11.68g^-1cm^3 dm^-1

3.

