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COLLEGE:Medicine And Health Sciences

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MATRIC NO:19/mhs11/109

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 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.

