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**DEPARTMENT: PHARMACY**

**COURSE: CHM 102**

**COLLEGE: MHS**

**1.**

 **1.** CH2=C(OH)HCHO

 a. -OK (Alkanol)

 b. -CHO (Alkanal)

 c. = (Alkene)

 **2.** C6H5CH(NH2)COCH3

 a. -NH2(Amine)

 b. -C=O (Alkanone)

 **3.** CH3C=CHCH(OH)CHO

 a. -CHO (Alkanal)

 b. -OH (Alkanol)

 c. =(Alkene)

**2.** Specific rotation= observed rotation (degrees)

 (conc.g/cm3× path length of sample

Given: observed rotation=1.0°

 Path length of sample=1dm

 Conc.g/dm3=?

Conc g/dm3= size of sample (g)

 Volume(cm3)

Conc g/cm3=0.856g

 10cm

Conc g/cm3=0.0856g/cm3

Specific rotation=1.0°

 0.0856g/cm3×1dm3

=11.68°g-1cm-1dm-1

**3.**

1. Hexa-2,4-diene

2. 2,3 Dimethylbut-2-ene

