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Jed-Victor Yvonne Upiabasi

MBBS 19/MHS 01/192

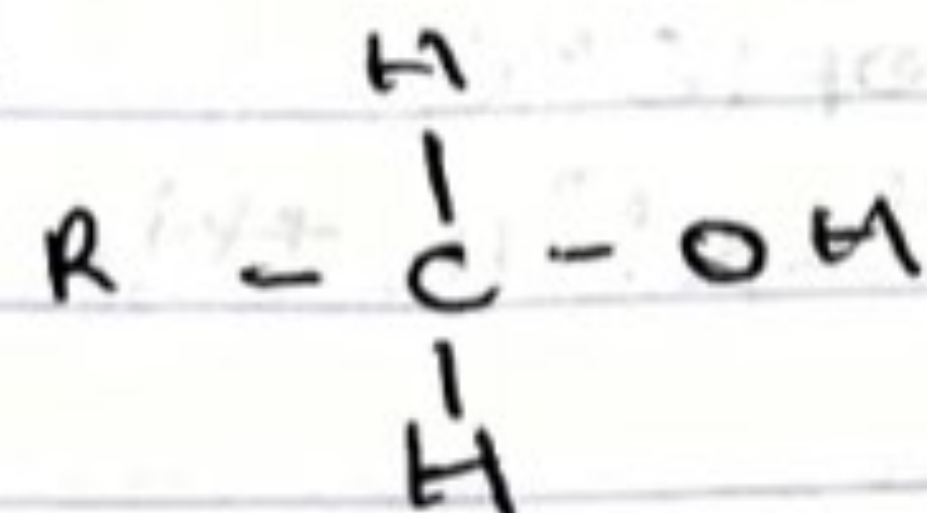
Chem 102 Assignment

I. Primary alcohol: This has only one alkyl group attached to the carbon atom that carries the hydroxyl group. It can be denoted as 1° alcohol.

Examples are; i) butan-1-ol: $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$

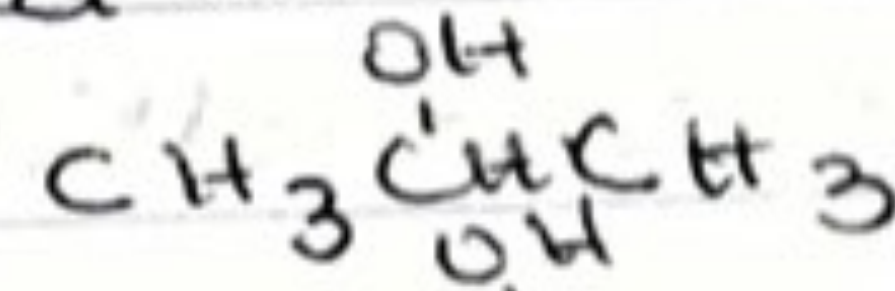
ii) Ethanol; $\text{CH}_3\text{CH}_2\text{OH}$

The general formula is

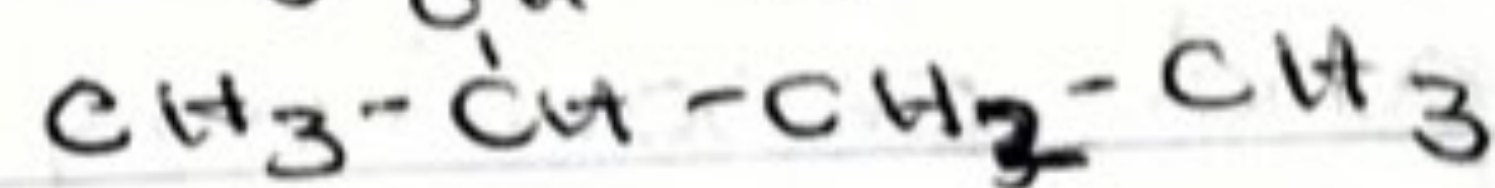


II. Secondary alcohol: Here, the carbon with one -OH group is attached to two alkyl groups on either side. The two alkyls may be the same or different. It can also be denoted as 2° alcohol.

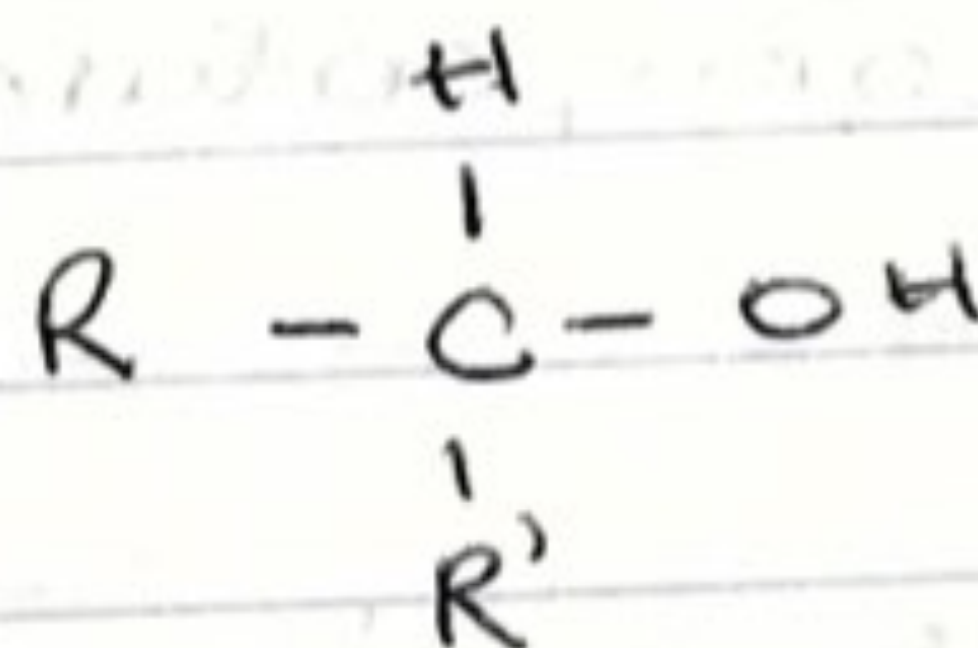
Examples are; i) Propan-2-ol



ii) butan-2-ol



The general formula is



2 CH_3MgBr
(Grignard reagent)

