

CY-216 Organic Chemistry-II

Alcohols And Phenols: Classification, Nomenclature, Physical properties. Preparation, reactions and applications of Alcohols and phenols.

Ethers: Nomenclature and physical properties. Preparation, reactions and applications of Ethers.

Carbonyl Compounds (Aldehydes and Ketones):

Nomenclature, Natural occurrence, Physical properties. Preparation, reactions and applications of aldehydes and ketones.

Carboxylic Acids and Their Derivatives: Nomenclature, Natural occurrence and Physical properties. Preparation, reactions and applications of carboxylic acids.

Amines: Nomenclature, Classification and physical properties of amines. Preparation, reactions and applications of amines.

Green Synthesis/Reactions: Green Synthesis of the following compounds Adipic acid, Catechol, Urethane, Benzyl bromide, Acetaldehyde, Aromatic amines (4-aminodiphenylamine), ibuprofen, paracetamol, Microwave assisted reactions.