

## **CY-208 ORGANIC CHEMISTRY II**

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

**Ethers:** Nomenclature and physical properties, Preparation and reactions.

**Carbonyl Compounds (Aldehydes and Ketones):** Nomenclature, Natural occurrence, Physical properties, Reactions of aldehydes and ketones.

**Carboxylic Acids And Their Derivatives:** Nomenclature, Natural occurrence, Physical properties and preparation of carboxylic acids

**Amines:** Nomenclature, Classification and physical properties of amines, Preparation and reaction of amines.

**Important Industrial Organic Chemicals:** Large scale production and derived products of the following important industrial chemicals acetophenone, Formaldehyde, Easter and simple 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.