



# MANGALORE UNIVERSITY

## DEPARTMENT OF CHEMISTRY

### M. SC. ORGANIC CHEMISTRY

#### OC P 507: Organic Chemistry Practicals – III

#### COURSE OUTCOME:

Enable the students:

- To understand and learn the principle of quantitative estimation of different types of organic molecules, methods of such as sugars, amino acids, phenols, carboxylic acids, amides, esters, aldehydes, ketones, urea, acid-ester mixture, amide-ester mixture.
- To know the estimation of functional groups like hydroxyl, vic-hydroxy, enol, amino, amide, unsaturation, nitro group
- Semi-micro analysis of nitrogen, halogen, alkoxy, C-methyl and active hydrogens.

Quantitative determination of sugars, amino acids, phenols, carboxylic acids, amides, esters, aldehydes, ketones, urea by various methods. Determinations of acid & ester and acid & amide in the mixtures.

Determination of functional groups like hydroxyl, vic-hydroxyl, enol, amino, amide, unsaturation and nitro groups by various methods. Semi-micro analysis of Nitrogen, Halogen, Alkoxy, C-methyl and active hydrogens.