

TANTA UNIVERSITY
FACULTY OF SCIENCE
CHEMISTRY DEPARTMENT



Practical Organic Chemistry

For Third Students



3020719160155

By
Staff Members
of Organic Chemistry



TANTA UNIVERSITY
FACULTY OF SCIENCE
CHEMISTRY DEPARTMENT



Practical

Organic Chemistry

For Third Year Students

By

30207191601554

Stuff Memberes
of Organic Chemistry



CONTENTS

Methods and Manipulation.....	1
Criteria of Purity.....	1
Purification of Solid substances.....	3
Purification of Liquid substances	7
Drying of Liquid substances	11
Reactions and Identification of Organic Compounds.	13
Hydrocarbons.....	13
Phenols.....	16
Carboxylic Acids.....	29
Aliphatic Acids	29
Aromatic Acids	35
Ammonium salts, Amides and Imides.....	42
Amines	47
Amino Acids.....	58
Anilides.....	61
Nitro Aromatic Compounds.....	64
Carbohydrates.....	69
Scheme for Investigation and Identification of Organic Compounds.....	75
Combination.....	87
Analysis of Fats and Oils.....	94
Estimation of Glucose.....	99
Estimation of Glycine.....	103
Estimation of Formaldehyde.....	106