

CONTENTS

Introduction	11
I. Organic Chemistry	11
II. Working with Organic Substances	16
III. Working with Organic Substances	16
Chapter I. Hydrocarbons	39
Chapter II. halogen Derivatives of Hydrocarbons	92
Chapter III. Organoelement Compounds	105
Chapter IV. Alcohols and Their Derivatives	114
Chapter V. Mercaptans, Sulphonic Acids, Thioethers	158
Chapter VI. Aldehydes and Ketones (Oxo Compounds)	161
Chapter VII. Carboxylic Acids and Their Derivatives	188
Chapter VIII. Halogenated Acids	237
Chapter IX. Hydroxy Acids	239
Chapter X. Aldehyde and Keto Acids	259
Chapter XI. Carbohydrates	266
Chapter XII. Nitrogen Compounds	303
Chapter XIII. Amines	307
Chapter XIV. Aminoalcohols and Amino Acids	314
Chapter XV. Protein Substances	326
Chapter XVI. Cyan Compounds	338
Chapter XVII. Carbonic Acid Derivatives	346
Chapter XVIII. Uninuclear Aromatic Compounds	356
Chapter XIX. Polynuclear Aromatic Compounds	439
Chapter XX. Cycloparaffins	465
Chapter XXI. Terpenes	476
Chapter XXII. Carotenoids	484
Chapter XXIII. Steroids, Bile Acid, and Sex Hormones	487
Chapter XXIV. Five-Membered Heterocyclic Compounds	493
Chapter XXV. Six-Membered Heterocyclic Compounds	512
Supplements: I. Official (Geneva) Nomenclature	531
II. Names of Common Radicals	546
Name Index	549
Subject Index	552