

Table of Content

Chapter	Chapter Title	Page No.
1	Structure and properties	1-39
2	Methane energy of activation transition state	40-72
3	Alkanes, Free-radical substitution	73-114
4	Streo chemistry I. Stereoisomers	115-142
5	Alkens I. Structure and preparation	143-176
6	Alkens II. Reactions of the carbon- Carbons double bond	177-224
7	Stereochemistry II. Preparation and reactions of stereoisomers	225-249
8	Alkynes and dienes	250-282
9	Alicyclic hydrocarbons	283-317
10	Benzene & aromatic character	318-336
11	Electrophilic , aromatic substitution	337-371
12	Arenes	372-404
13	Spectroscopy and structure	405-451
14	Alkyl halides, nucleophilic aliphatic substitution elimination	452-451
15	Alkohols I. Preparation and physical properties	492-517
16	Alkohols II. Reactions	518-551
17	Ethers and epoxides	552-578
18	Carboxylic acids	579-616
19	Aldehydes and ketones nucleophilic additions	617-657
20	Functional derivatives of carboxylic acids: nucleophilic acyl substitutions	658-700
21	Carbonions I. Aldol and claisen condensations	701-726
22	Amines I. Preparations and physical properties	727-744
23	Aminess II. Reactions	745-782
24	Phenols	783- 811
25	Aryl halides: Nucleophilic aromatic substitutions	817- 845
26	Carbonions II. Malonic ester and acetatoacetic ester syntheses	846- 864
27	a,B- Unsaturated carbonyl compounds conjugate additions	865- 884

Table of Content

Chapter	Chapter Title	Page No.
28	Rearrangements and neighboring group effect: Nonclassical Ions	885-924
29	Molecular orbitals : orbitals symmetry	925- 966
30	Polynuclear aromatic compounds	967-1001
31	Heterocyclic compounds	1002-1026
32	Macromolecules polymers and polymerizations	1027- 1052
33	Fats	1055-1069
34	Carbohydrates I. Monosaccharides	1070-1111
35	Carbohydrates II. Disaccharides and polysaccharides	1112-1131
36	Amino acids and proteins	1132- 1163
37	Biochemical processes : molecular biology	1164- 1183
	Suggested Reading	1185- 1191
	Answer to problem	1193- 1210
	Index	1211- 1254