

INDEX

Terms	Page No.	Terms	Page No.
Achiral	306	Baeyers' reagent	370
Acidity of alcohols	335	Bakelite	436, 440
Acidity of phenols	336	Barbiturates	453
Active site	448	Benzylic alcohols	325
Acylation	400	Benzylic halides	290, 304
Addition polymers	435	Biodegradable polymers	443
Adduct	331	Biomolecules	411
Alcohols	323, 325, 329	Branched chain polymers	434
Aldehydes	357, 358, 361	Broad spectrum antibiotics	455
Aldol condensation	371	Buna - N	436, 443
Aldol reaction	371	Buna - S	435
Aldopentose	420	Cannizzaro reaction	372
Alkanamines	390, 398	Carbocation	304, 309
Alkenes	295	Carbohydrates	381
Alkyl halides	289, 290	Carboxylic acids	357, 376
Alkylation	400	Carbylamine reaction	401
Alkylbenzenes	376	Catalytic action of enzymes	448
Alkynes	362	Cationic detergents	460
Allosteric site	449	Cellulose	419
Allylic alcohols	324	Chain initiating step	437
Allylic halides	290	Chain propagating step	437
Ambident nucleophiles	300	Chain terminating step	437
Amines	389	Chemical messengers	450
Amino acids	420	Chemotherapy	447
Ammonolysis	392	Chirality	307, 308
Amylopectin	418	Cleansing agents	458
Amylose	418	Clemmensen reduction	368
Analgesics	452	Competitive inhibitors	449
Anhydrides	377	Condensation polymers	435
Animal starch	419	Copolymerisation	441
Anionic detergents	460	Copolymers	435
Anomers	416	Cross aldol condensation	372
Antacids	451	Cross linked polymers	434
Antibiotics	453	Cumene	332
Antidepressant drugs	452	Cyclic structure	415
Antifertility drugs	456	DDT	318
Antihistamines	451	Dehydrogenation	339
Antimicrobial drugs	454	Denaturation	344
Antipyretic	453	Denaturation of protein	424
Antiseptics	454, 456	Deoxyribonucleic acid	427
Aromatic ring	325	Deoxyribose	420
Artificial sweetening agents	457	Detergents	458
Aryl halides	291	Dextrorotatory	305
Arylamines	391, 399	Diazonium salt	295, 295
Aspirin	453	Diazonium salts	404
Asymmetric carbon	306	Diazotisation	404
Azo dyes	378	Disaccharides	412, 417
Bactericidal	455	Disinfectants	454, 456
Bacteriostatic	455	Drug - enzyme interaction	449

Terms	Page No.	Terms	Page No.
Drug - target interaction	448	Histamines	451
Drugs	447	Hoffmann bromamide reaction	394
Elastomers	435	Hydroboration	330
Electron donating group	380	Hyperacidity	451
Electron withdrawing group	380	Intermolecular bonding	341
Electrophilic aromatic substitution	341, 349	Intramolecular bonding	341
Electrophilic substitution	295, 314	Inversion of configuration	301
Electrostatic forces	423	Invert sugar	417
Elimination reaction	299	Ketones	357, 360, 361
Emulsifiers	457	Kolbe electrolysis	383
Enantiomers	305, 307	Kolbe's reaction	342
Environmental pollution	462	Lactose	418
Enzyme inhibitors	449	Laevorotatory	305
Enzymes	425	Laundry soaps	459
Esterification	337	Lewis bases	407
Esters	330	Limited spectrum antibiotics	455
Etard reaction	363	Linear polymers	434
Ethers	323, 325, 327	Low density polythene	437
Fat soluble vitamins	426	Lucas test	338
Fatty acids	374	Maltase	425
Fehling's test	369	Maltose	417
Fibres	436	Markovnikov's rule	329, 330
Fibrous proteins	422	Medicated soaps	459
Finkelstein reaction	297	Medicines	447
Fittig reaction	316	Melamine - formaldehyde polymer	439
Free radical	294	Messenger - RNA	429
Free radical mechanism	437	Molecular asymmetry	305
Freon refrigerant	318	Molecular targets	448
Friedel-Crafts reaction	315, 364	Monosaccharides	412
Fructose	416	Narrow spectrum antibiotics	455
Furanose	416	Natural polymers	434
Gabriel phthalimide synthesis	394	Natural rubber	441
Gatterman - Koch reaction	363	Neoprene	436, 442
Gatterman reaction	405	Network polymers	434
Geminal halides	292, 293	Nitration	403
Globular proteins	423	Nomenclature	291
Gluconic acid	413	Non-biodegradable	462
Glucose	414	Non-ionic detergents	460
Glyceraldehyde	415	Non-narcotic analgesics	453
Glycogen	419	Novolac	439
Glycosidic linkage	417, 418	Nucleic acids	427
Grignard reagent	310	Nucleophilic substitution	299
Haloalkane	289, 299	Nucleosides	428
Haloarene	289, 332	Nucleotides	427
Halogenation	342, 349	Nylon 6	439
Haworth structures	416	Nylon 6, 6	433, 435, 439
Hell - Volhard Zelinsky reaction	383	Oligosaccharides	412
Hemiacetal	367	Optical isomerism	305
Heterocyclic compounds	427	Optically inactive	309
High density polythene	438	Organo-metallic compounds	310
Hinsberg's reagent	401	Oxidoreductase	425

Terms	Page No.	Terms	Page No.
Ozonolysis	361	Sp ³ hybridised	389
Peptide bond	422	Starch	413
Peptide linkage	422	Stephen reaction	362
PHBV	443	Stereo centre	306
Phenols	323, 326	Structure - basicity relationship	398
Polarity	366	Structure of proteins	422
Polyacrylonitrile	437	Substitution nucleophilic bimolecular	301
Polyamides	438	Substitution nucleophilic unimolecular	303
Polyesters	438	Sucrose	413, 417
Polyhydric compounds	324	Sulphonation	403
Polymerisation	433	Swarts reaction	297
Polymers	433	Sweeteners	457
Polysaccharides	412, 418	Synthetic detergents	459
Polythene	435, 437	Synthetic polymers	434
Preservatives	457, 458	Synthetic rubber	442
Propellants	317	Teflon	438
Proteins	420	Terylene	436
Protic solvents	304	Thermoplastic polymers	436
Pyranose structure	416	Thermosetting polymers	436
Racemic mixture	307	Toilet soaps	459
Racemisation	305	Tollens' test	369
Receptors	448	Tranquilizers	452
Reducing sugars	412	Transfer - RNA	429
Reimer - Tiemann reaction	343	Transparent soaps	459
Resins	436, 444	Trisaccharides	412
Ribose	420	van der Waal forces	298
Ribosomal - RNA	429	Vasodilator	451
Ring substitution	384	Vicinal halides	290, 291
Rochelle salt	369	Vinyl alcohol	325
Rosenmund reduction	362	Vinyl halides	291
Rubber	441	Vitamins	425, 426
Saccharic acid	414	Vulcanisation	442
Salvarsan	454	Water soluble vitamins	426
Sandmayer's reaction	296, 405	Williamson synthesis	345
Saponification	458	Wolff - Kishner reduction	369
Scouring soaps	459	Wurtz reaction	311
Semi - synthetic polymers	434	Wurtz-Fittig reaction	316
Shaving soaps	459	Ziegler - Natta catalyst	438
Soaps	458	Zwitter ion	422

Note

© NCERT
not to be republished