# Preface xxxi

On Cs and Gs: History and Aims of the Book xxxi Conception and Development xxxi Target Audience and Scope xxxii Some Principles of Presentation xxxiii Using CGCG: A Few Points of Guidance xxxiv Acknowledgements xxxv Abbreviations, Symbols, Editions xxxviii Abbreviations Used in This Book xxxviii Other Symbols xxxix Texts and Translations of Examples xxxix On Terminology xl Problems and Principles xl Verbal Terminology xli Tenses, Aspects and Moods xli On 'First' and 'Second' Aorists and Perfects xlii

# PART I: PHONOLOGY AND MORPHOLOGY 1

# 1 The Signs and Sounds of Classical Greek 3

Writing: the Alphabet, Accent and Breathing Marks, Punctuation 3

The Alphabet 3

Particulars 4

Accents and Breathings 4

Punctuation 5

Further Diacritical Signs 6

The Alphabet, Breathings, Accents, Punctuation: a Very Brief Historical Overview 6 Pronunciation: Vowels and Diphthongs 7

Vowels 7

Phonetic Details 8

Diphthongs 8

Short Diphthongs 9

Long Diphthongs 9

'Spurious' Diphthongs ει and ου 10

Pronunciation: Consonants 10

List of Consonants 10

Phonetic Details 11 Stops 11 Fricatives 12 Resonants 12 Geminates 13 Letters Representing Two Consonants 13 Elision, 'Movable' Consonants, Crasis, Hiatus 14 Elision 14 'Movable' Consonants 14 Crasis 15 Hiatus 16 Historical Developments: Introduction 16 Historical Developments: Ablaut (Vowel Gradation) 18 Introduction; Qualitative and Quantitative Ablaut 18 Some Typical Greek Ablaut Patterns 19 Historical Developments: Vowels 20 Attic-Ionic  $\bar{\alpha} > n = 20$ Contraction of Vowels 21 Contraction of  $\alpha$ ,  $\varepsilon$ ,  $\eta$ , o and  $\omega$  21 Diphthongs 22 Summary Table of Contractions 22 Further Particulars and Exceptions 23 Long and Short: the Augment, Stem Formation, Compensatory Lengthening 24 Compensatory Lengthening 24 Summary Table 25 Shortening: Osthoff's Law 25 Quantitative Metathesis 27 Historical Developments: Consonants 27 Consonants at Word End 27 The Disappearance of F, y and  $\sigma$  28 Sound Changes Involving ĭ/y 28 Sound Changes Involving ŭ/F 29 Sound Changes Involving  $\sigma$  30 Other Consonant Clusters: Vocalization of Resonants, Assimilation, Loss of Consonants 30 Vocalization of Syllabic Resonants 30 Assimilation in Consonant Clusters 31 Loss of Consonants 33 Loss of Aspiration: Grassmann's Law 34

# 2 Introduction to Nominal Forms 35

Basic Categories 35

Building Blocks: Stems and Endings 35 Declensions and Endings 36 Declensions 36 Table of Endings 38

### 3 The Article 39

### 4 Nouns 40

First-Declension Nouns 40 Stems, Types and Gender of First-Declension Nouns 40 Feminine Nouns in  $-\eta$ ,  $-\bar{\alpha}$  or  $-\bar{\alpha}$  40 Masculine Nouns in  $-\eta \varsigma$  or  $-\bar{\alpha}\varsigma$  42 Further Notes and Exceptions 43 Second-Declension Nouns 43 Stems, Types and Gender of Second-Declension Nouns 43 Masculine (and Feminine) Nouns in -05 or -005 44 Neuter Nouns in -ov or -ouv 45 Further Notes and Exceptions 45 Third-Declension Nouns 46 Stems, Types and Gender of Third-Declension Nouns 46 Stems in a Labial Stop  $(\pi, \beta, \varphi)$  or Velar Stop  $(\kappa, \gamma, \chi)$ 48 Stems in a Dental Stop  $(\tau, \delta, \theta, except v\tau)$  49 Stems in vt 50 Stems in v 51 Stems in a Liquid ( $\lambda$  or  $\rho$ ) 52 Stems in  $(\varepsilon)\rho$ , with Three Ablaut Grades (Type  $\pi\alpha\tau\eta\rho$ ,  $d\nu\eta\rho$ ) 53 Stems in  $\sigma$  (Neuter Nouns in - $\sigma_5$ , Names in - $\eta_5$ ) 54 Stems in 1/ε(y) (Type πόλις) 56 Stems in  $\upsilon$  (Type  $i\sigma_X \upsilon_S$ ) or in  $\upsilon/\epsilon(\rho)$  (Type  $\pi \eta_X \upsilon_S$ ) 57 Stems in  $\eta v/\eta(F)$  (Type  $\beta \alpha \sigma i \lambda \epsilon v \varsigma$ ) 58 Ζεύς, ναῦς, βοῦς 59 Further Notes and Exceptions 60 Conspectus of Noun Types 61

# 5 Adjectives and Participles 63

First-and-Second-Declension Adjectives and Participles 63
Of Three Endings (-o<sub>5</sub>, -η/-ᾱ, -oν) 63
Adjectives 63
Participles 64
Of Three Endings, with Contraction (-oũ<sub>5</sub>, -ῆ/-ᾱ, -oũν) 64
Of Two Endings (-o<sub>5</sub>, -ov or -ou<sub>5</sub>, -ouv) 65

Further Particulars 67 Mixed-Declension Adjectives 68 First-and-Third-Declension Adjectives and Participles 69 Of Three Endings, Stems in  $v\tau$  (- $\omega v$ , - $o \upsilon \sigma \alpha$ , -o v and  $\pi \tilde{\alpha}_{\varsigma}$ ,  $\pi \tilde{\alpha} \sigma \alpha$ ,  $\pi \tilde{\alpha} v$ ) 69 Adjectives 69 Participles 70 Of Three Endings, Perfect Active Participles in -ώς, -υῖα, -ός 72 Of Three Endings, Stems in  $u/\epsilon_F$  ( $-u_S$ ,  $-\epsilon_1\alpha$ , -u) 73 Of Three Endings, Stems in  $\nu$  (- $\alpha_5$ , - $\alpha_1\nu\alpha$ , - $\alpha\nu$ ) 74 Of Three Endings, Stems in  $\epsilon \nu \tau$  (- $\epsilon \iota \varsigma$ , - $\epsilon \sigma \sigma \sigma$ , - $\epsilon \nu$ ) 74 Third-Declension Adjectives 75 Of Two Endings, Stems in  $ov(-\omega v, -ov)$  75 Of Two Endings, Stems in  $\sigma$  (- $\eta_5$ , - $\epsilon_5$ ) 76 Further Particulars 77 Adjectives Formed with Dental-Stem Nouns 77 Adjectives of One Ending 77 Comparison of Adjectives 77 Introduction 77 Comparatives in - TEPOS and Superlatives in - TOTOS 78 Comparatives in -(t)ων and Superlatives in -ιστος 80

# 6 Adverbs 83

Formation of Adverbs 83 Introduction 83 Manner Adverbs in -ως 83 Adverbs Based on Other Case-Forms 84 Specific Formations of Adverbs Indicating Space 86 Adverbs Deriving from Prepositions/Prepositional Phrases 87 Comparison of Adverbs 87

#### 7 Pronouns 89

Personal Pronouns 89 Reflexive Pronouns 90 The Reciprocal Pronoun 91 The Possessive 'Pronoun' 92 αὐτός 92 Demonstrative Pronouns 93 ὅδε 93 οὖτος 94 ἐκεῖνος 94 Further Particulars 95 Other Demonstratives 95 Deictic Iota 95 Relative Pronouns 96 őς and ὄστις 96 Other Relative Pronouns 96 Interrogative and Indefinite Pronouns 97 τίς, τί; τις, τι 97 Other Interrogative Pronouns 97 Seemingly Similar Forms of αὐτός, ἑ αυτοῦ and οὖτος 98

#### 8 Correlative Pronouns and Adverbs 99

The System of Correlative Pronouns and Adjectives 99 The System of Correlative Adverbs 100

#### 9 Numerals 101

List of Numerals 101 Declension of Numerals 102 Further Particulars 103

#### 10 The Dual: Nominal Forms 105

Endings 105 Forms 105 The Article 105 Nouns and Adjectives/Participles 106 Pronouns 106

# 11 Introduction to Verb Forms 108

Summary of the Greek Verbal System 108 Basic Categories and Elements 110 Categories of the Verb 110 Finite versus Non-finite Verb Forms 110 Categories Pertaining to All Verb Forms: Tense-Aspect and Voice 110 Categories Pertaining Only to Finite Verb Forms 111 Categories Pertaining to Non-finite Verb Forms 112 Morphological Building Blocks: Stems, Endings, and Other Markings 112 Verb Stems and Tense-Aspect Stems 112 Endings 114 Thematic Vowels, Optative Suffixes, Participle Suffixes 114 Augments and Prepositional Prefixes 115 Thematic and Athematic Conjugations 115 Endings 116

х

Personal Endings 116 Tables of Endings 117 Subjunctives 119 Imperatives 120 Exceptions 120 Endings of Non-finite Forms 121 Infinitives 121 Participles and Verbal Adjectives 121 Augments and Reduplications 121 Formation of the Augment 121 With Stems Beginning with a Consonant 121 With Stems Beginning with a Vowel or Diphthong 122 Further Particulars 122 Formation of Reduplications 123 Two Types of Reduplication 123 Further Particulars 124 Reduplications Outside the Perfect 125 The Relative Position of Augments, Reduplications and Prefixes 125 Basic Rules 125 Further Particulars 127

# 12 The Present 128

Thematic  $(-\omega)$  and Athematic  $(-\mu)$  Presents 128 The Thematic Present 129 Overview of Forms 129 Non-Contract and Contract Presents 130 Endings 131 Contract Presents 131 Simple Contraction Rules 131 Further Particulars 132 Thematic Present Stem Formation 134 Presents without Elaboration 134 Presents with an Original Yod 135 Presents with a Nasal Infix 137 Presents with the Suffix  $-(1)\sigma\kappa$  - 137 Reduplicated Presents 137 The Athematic Present 138 Overview of Forms 138 Verbs in -vuµi 138 Reduplicated Verbs 139 Root Presents 141

Present Stems with a Long and Short Variant 142 Types of -µ1 Verb; Present Stem Formation 142 Verbs in -vuli 142 **Reduplicated Verbs** 143 Root Presents 143 Endings 144 Thematic Forms 145 13 The Aorist: Active and Middle 147 Types of Aorist (Active and Middle) Stem 147 Sigmatic (and Pseudo-Sigmatic) Aorists 148 Overview of Forms 148 Sigma and Alpha 149 Endings 150 Stem Formation of Sigmatic Aorists 151 Verb Stems Ending in 1, v or a Diphthong 151 Verb Stems Ending in  $\varepsilon$ ,  $\alpha$  or o (or  $\eta$  or  $\omega$ ) 151 Verb Stems Ending in a Labial or Velar Stop 153 Verb Stems Ending in a Dental Stop 153 The Pseudo-Sigmatic Aorist - Verb Stems Ending in a Resonant 154 Thematic Aorists 155 Overview of Forms 155 Stems and Endings 156 'Irregular' Forms 157 The Most Common Thematic Aorists 158 Verbs with Vowel Variations between the Present and Aorist Stems 158 Other Differences between the Present and Aorist Stems 158 Suppletive Verbs 159 Root Aorists 160 Overview of Forms 160 Stems 161 Endings 162 δίδωμι, τίθημι and ἵημι 163 Overview of Forms 163 Stems 164 Endings 165 Verbs With More Than One Type of Aorist 166 14 The Aorist: Passive  $(\theta \eta - /\eta -)$ 168

Types of Aorist Passive Stem 168 Conjugation of  $\theta\eta$ -Aorists and  $\eta$ -Aorists 169

Overview of Forms 169 Endings 170 θη-Aorist Stems 171 Formation of  $\theta_n$ -Aorist Stems 171 Verb Stems Ending in u or a Diphthong 171 Verb Stems Ending in Other Vowels 172 Verb Stems Ending in a Labial or Velar Stop 173 Verb Stems Ending in a Dental Stop 174 Verb Stems Ending in a Resonant 175 Suppletive Stems 176 Further Notes and Exceptions 176 n-Aorist Stems 177 Formation of n-Aorist Stems 177 Verbs without Vowel Differences between the Present and n-Aorist Stem 177 Verbs with Vowel Differences between the Present and n-Aorist Stems 178 15 The Future: Active and Middle 180 Types of Future Stem 180 Conjugation of the Future 180 Overview of Forms 180 Sigmatic Future 180 Attic Future 182 Endings 183 Sigmatic Future Stems 183 Stem Formation 183 Verb Stems Ending in 1, u or a Diphthong 183 Verb Stems Ending in Other Vowels 184 Verb Stems Ending in a Labial Stop 185 Verb Stems Ending in a Velar Stop 186 Verb Stems Ending in a Dental Stop 187 Suppletive Verbs 187 Further Particulars 188 Attic Future Stems 188 Stem Formation 188 Verb Stems Ending in a Resonant 188 Verb Stems Ending in a Dental Stop 189 Other Attic Futures 190 Other Futures 191 Verbs with a Middle Future 191

# Contents

16	The Future: Passive (θη-/η-)194Types of Future Passive Stem194Conjugation of the Future Passive195Overview of Forms195Particulars195	
17	The Perfect (and Future Perfect): Introduction 197 Perfect (and Future Perfect) Stems 197 Types of Stem 197 Periphrastic Forms 198	
	<ul> <li>The Perfect: Active 199</li> <li>Types of Perfect Active Stem 199</li> <li>κ-Perfects, Aspirated Perfects, Stem Perfects: Conjugation 200</li> <li>Overview of Forms 200</li> <li>Endings, Periphrastic Forms 202</li> <li>κ-Perfects, Aspirated Perfects, Stem Perfects: Stems 203</li> <li>Stem Formation 203</li> <li>Verb Stems Ending in 1, u or a Diphthong 203</li> <li>Verb Stems Ending in Other Vowels 203</li> <li>Verb Stems Ending in a Dental Stop 204</li> <li>Verb Stems Ending in a Resonant 205</li> <li>The Aspirated Perfect - Verb Stems Ending in a Labial or Velar Stop 205</li> <li>Stem Perfects 206</li> <li>Irregular Stem Perfects: ἐοικα, εἴωθα, οἶδα 208</li> <li>Further Particulars 208</li> <li>Mixed Perfects (δέδοικα, ἕστηκα, τέθνηκα and βέβηκα) 209</li> <li>Overview of Forms 209</li> <li>Particulars 210</li> </ul>	
19	The Perfect: Middle-Passive 212 The Perfect Middle-Passive Stem 212 Conjugation of the Perfect Middle-Passive 212 Overview of Forms 212 Endings 214 Overview of Middle-Passive Perfect Stem Changes Before Different Endings Perfect Middle-Passive Stems 215 Stem Formation 215 Verb Stems Ending in 1, $\cup$ or a Diphthong 215 Verb Stems Ending in Other Vowels 216 Verb Stems Ending in a Labial Stop 217	215

Verb Stems Ending in a Velar Stop 218 Verb Stems Ending in a Dental Stop 219 Verb Stems Ending in a Resonant 219 Further Notes and Exceptions 221

# 20 The Future Perfect 222

Formation of the Future Perfect 222 General 222 Future Perfect Active: Particulars 222 Future Perfect Middle-Passive: Particulars 223

## 21 The Dual: Verb Forms 224

Endings 224 Examples of Dual Forms 225

#### 22 Principal Parts 228

Regular Principal Parts 228 Principal Parts with Peculiarities 230

# 23 Word Formation 260

Introduction 260 Nominal Word Formation 261 Nominal Word Formation by Means of Derivation 261 Some Terminology Concerning Nouns 261 List of Derivational Suffixes 262 Nominal Word Formation by Means of Composition 269 Compound Adjectives with Nominal/Adverbial Element + Nominal Element 269 Compound Forms with Verbal Element + Nominal Element 270 Compound Forms with Nominal/Adverbial Element + Verbal Element 271 Verbal Word Formation 272 Denominative Verbs Formed with \*-yw 272 Verbs Formed with \*-yw from Nominal Stems Ending in a Vowel 272 Verbs Formed with \*-yw from Nominal Stems Ending in a Consonant 274 Compound Verbs 275 Denominative Compound Verbs from Compound Nouns/Adjectives 276 Compound Verbs Formed by Prefixation 276

# 24 Accentuation 277

Introduction 277 General Rules of Accentuation 278 Possible Positions of the Accent; 'Long' and 'Short' Syllables 278

The Rule of Limitation 279 The σωτῆρᾰ-Rule 280 Contraction 280 Recessive, Persistent, and Mobile Accentuation 281 Finite Verbs: Recessive Accentuation 282 Non-Finite Verb Forms: Participles and Infinitives 284 Nominal Forms: Nouns, Adjectives, Pronouns, Numerals 286 General Rules 286 Mobile Accentuation of Some Third-Declension Nouns 287 Some Rules for the Placement of Base Accents on Nominal Forms 288 Enclitics and Proclitics 289 Introduction 289 Accentuation of Enclitics and Proclitics 291 Elision and Crasis 292

## 25 Ionic and Other Dialects 293

Introduction 293 Ionic Literary Prose 295 Phonology 295 Morphology: Nominal Forms 297 First Declension 297 Second Declension 297 Third Declension 298 The Article, Adjectives 300 Pronouns 300 Morphology: Verbal Forms 301 Thematic Conjugations 301 Athematic Conjugations 302 Further Points on Verbal Morphology 303 Further Particulars 304

### PART II: SYNTAX 305

26 Introduction to Simple Sentences 307	
The Sentence Core 307	
Predicate, Subject, Object, Complement 307	
'Omission' of the Subject and Other Constituents 309	
Linking Verb, Predicative Complement 310	
Omission of a Linking Verb: Nominal Sentences	312

Optional Constituents 313 Adverbial Modifiers and Other Optional Constituents 313 Noun Phrases 315 Elements of the Noun Phrase 315 Types of Modifier 316 Types of Head 317 Pronominal and Adnominal Use of Pronouns, Quantifiers and Cardinal Numerals 318 Apposition 319 Predicative Modifiers 319 Elements Interrupting or Outside the Syntax of a Sentence 320 Parentheses 320 Elements 'Outside' the Syntax of a Sentence 321 27 Agreement 322 Subject – Finite Verb 322 Basic Rule 322 Exceptions 322 Head - Modifier (in Noun Phrases); Predicative Modifiers and Complements 324 Basic Rule 324 Exceptions 324 Antecedent – Relative Pronoun 325 Basic Rule 325 Exceptions 325 Apposition 326 28 The Article 328 Meaning of the Definite Article 328 Basic Meaning 328 Reasons for Identifiability of a Referent 328 Relative Position of Article, Head and Modifiers in a Noun Phrase 331 Attributive and Predicative Position 331 Attributive Genitives 332 Demonstrative and Possessive Pronouns 333 αὐτός 334 Ouantifiers 334 Adjectives Determining Position (μέσος, ἄκρος, ἔσχατος etc.) 334 The Article as Substantivizer 335 Pronominal Uses of the Article 337

#### Contents

29 Pronouns and Quantifiers 339 Personal Pronouns 339 Contrastive and Non-Contrastive Personal Pronouns 339 First and Second Person 339 Third Person 340 αὐτός 341 As Third-Person Personal Pronoun 341 As an Adjective, Expressing Identicalness: The Same 342 As an Adjective, Emphatic Use: Self 343 Summary of the Uses of αὐτός 344 Reflexive Pronouns and Other Reflexive Expressions 345 Introduction; Pronouns Used as Reflexives; Direct and Indirect Reflexives 345 Pronouns Used as Direct and Indirect Reflexives 346 Direct Reflexivity 346 Indirect Reflexivity 347 Further Particulars 348 Possessive Pronouns and Other Expressions of Possession 349 Introduction: Pronouns Used as Possessives 349 Pronouns Used in Different Constructions 349 First and Second Person 349 Third Person 350 Further Particulars 351 Reciprocal Pronouns 351 Demonstrative Pronouns 352 Pronominal and Adnominal Use; Pointing Outside or Inside the Text 352 General Differences between obe, outos and ekeivos 352 Further Particulars 354 Indefinite Pronouns 356 Interrogative Pronouns 357 Relative Pronouns 357 Quantifiers 358 πᾶς 358 őλος 358 μόνος 358 άλλος and ἕτερος 359 30 Cases 360 Functions, Meanings and Labels 360 Nominative 361 As Obligatory Constituent with Verbs 361

Other Uses 362

Accusative 362
As Obligatory Constituent (to Complement Verbs) 362
Internal Object 364
As an Optional Constituent (Adverbial Modifier) 365
Apposition to a Sentence 366
Genitive 367
As Obligatory Constituent (to Complement Verbs/Adjectives) 367
Verbs Taking the Genitive 367
Genitive of Comparison 370
Attributive Genitives as Object, Predicative Complement, or Prepositional Complement 370
As Modifier in a Noun Phrase: the Attributive Genitive 371
As an Optional Constituent (Adverbial Modifier) 373
Dative 374
As Obligatory Constituent (to Complement Verbs/Adjectives) 374
As Indirect Object 374
With Other Verbs and Adjectives 376
Dative of the Possessor 377
As an Optional Constituent (Adverbial Modifier) 377
Referring to Things or Abstract Entities 377
Referring to Persons 379
With Expressions of Comparison 380
Vocative 380
Cases and the Expression of Time and Space 381

# 31 Prepositions 383

Introduction 383 Common Uses of the Prepositions 384 Proper Prepositions 384 Improper Prepositions 396

# 32 Comparison 398

Meaning of Comparatives and Superlatives 398 Comparison 399

Constructions of Comparison that Follow a Comparative or Superlative 399 Constructions of Comparison that Express Identicalness, Similarity or Equality: ό αὐτός, ὅμοιος and ἴσος 402

# **33 The Verb: Tense and Aspect 404** Basic Notions and Terminology **404**

Tense 404

Aspect 405 Grammatical Aspect 405 Lexical Aspect 408 Factors Influencing Interpretation 409 Tense and Aspect Combined: The Indicative in Main Clauses 409 Basic Values of the Indicative; Narrative and Non-Narrative Text 409 The Seven Indicatives of Greek: Basic Values 409 Narrative and Non-Narrative Text 411 Present Indicative 412 Basic Uses 412 Specific Interpretations 412 Imperfect 415 Basic Uses 415 Specific Interpretations 416 Aorist Indicative 417 Basic Uses 417 Specific Interpretations 417 Non-Past Uses of the Aorist 419 Perfect Indicative 420 Basic Uses: Active versus Passive 420 Specific Interpretations 421 Pluperfect 423 Basic Uses 423 Specific Interpretations 425 Future Indicative 425 Future Perfect Indicative 427 The Alternation of Tenses in Narrative Text 427 Aorist versus Imperfect (and Pluperfect) 427 Special Uses of the Imperfect in Narrative 428 Historical Present 430 Aspect Outside the Indicative in Main Clauses 432 Aspect and Relative Tense 432 Further Interpretations; Exceptions 433 Aspectual Interpretation in Temporally Fixed Contexts 435 34 The Verb: Mood 438 Introduction to Moods 438 Indicative in Main Clauses 439 Subjunctive in Main Clauses 439 Hortatory and Prohibitive Subjunctive (in Commands/Requests) 439

Deliberative Subjunctive (in Questions) 440

Further Particulars 440 Optative in Main Clauses 441 Potential Optative with av (in Statements/Questions) 441 Cupitive Optative (in Wishes) 442 'Modal' (Secondary) Indicative in Main Clauses 442 In Statements/Questions 442 In Unrealizable Wishes 444 Imperative 445 Overview of the Uses of Moods in Main Clauses 446 35 The Verb: Voice 447 Introduction 447 Basic Terminology 447 Voice: Active and Middle-Passive Meanings 447 Active, Middle and Passive Forms 448 Verbs with and without an Object; Causative Verbs 449 The Morphology of Voice 450 Voice Distinctions in the Different Tense Stems 450 Verbs with Only One Voice; Verbs Switching Voice between Tense Stems 451 Middle-Passive Meanings 452 Indirect-Reflexive Meaning 452 Direct-Reflexive Meaning 453 Passive Meaning 454 Change-of-State Verbs 456 Change of Physical State or Position 456 (Change of) Mental State 458 Middle-Only Verbs and Passive-Only Verbs 459 Indirect-Reflexive Meaning 459 Reciprocal Meaning 459 Change-of-State; Mental State 460 Other Middle-Only and Passive-Only Verbs 460 Further Particulars 461 Middle Future Forms with Passive Meaning 461 'Synonymous' Active and Middle Verbs 462 Overviews 462 Overview of the Middle-Passive Meanings and Forms of Some Important Types of Verbs 462 (Active) Verbs which Take an Object/Complement 462 Verbs Whose Middle-Passive May Have a Direct-Reflexive Meaning 463 Verbs Whose Middle-Passive May Have a Change-of-State Meaning 463 Overview of the Meanings Expressed by Aorist and Future Conjugations 464

36	Impersonal Constructions 465
	Introduction 465
	Quasi-Impersonal Verbs and Constructions 466
	Verbs 466
	Neuter Adjectives; Nouns 467
	Proper Impersonal Verbs and Constructions 468
	Weather and Time Expressions 468
	Impersonal Passives and the Impersonal Use of Verbal Adjectives in -τέον 469
	Proper Impersonal Verbs with a (Dative and) Genitive 470
37	Verbal Adjectives 471
	Types of Verbal Adjectives 471
	Adjectives in $-\tau \epsilon \circ \varsigma$ , $-\tau \epsilon \circ v$ 471
	As Predicative Complement 471
	Impersonal Use 472
	Adjectives in -τός, -τή, -τόν 473
38	Questions, Directives, Wishes, Exclamations 474
	Introduction: Sentence Types and Communicative Functions 474
	Questions 476
	Introduction: Basic Terminology 476
	Yes/No-Questions and Alternative Questions 476
	Specifying Questions 478
	The Use of Moods in Questions 479
	Further Particulars 479
	Is That a Question? – 'Non-Standard' Communicative Functions of the Interrogative Sentence Type 479
	Answers 480
	Directives 481
	Basic Constructions 481
	Difference between Present-Stem and Aorist-Stem Imperatives/Subjunctives 483
	Other Expressions Used as Directives; Differences between These Expressions 484
	Wishes 486
	Realizable and Unrealizable Wishes 486
	Difference between Present-Stem and Aorist-Stem Forms 487
	Exclamations 488
	Introduction: Basic Terminology 488
	Exclamations of Degree 488
	Nominal Exclamations 489
	The Exclamatory Infinitive 490

1

# **39 Introduction to Complex Sentences** 491 Definitions: Functions of Subordinate Clauses 491 Types of Subordinate Constructions 492 40 Introduction to Finite Subordinate Clauses 494 Subordinators 494 Functions and Types of Finite Subordinate Clauses 494 Moods in Subordinate Clauses 495 Subordinate Clauses Which Use the Same Moods as Independent Sentences 495 Subordinate Clauses with Required Moods 496 Moods and the Use of av in Temporal, Conditional and Relative Clauses 496 Sequence of Moods; the Oblique Optative 499 Attraction of Mood 501 41 Indirect Statements 502 Introduction: Indirect Speech 502 Direct versus Indirect Speech 502 Types of Indirect Speech 503 Indirect Statements 504 Verbs Introducing Indirect Statements 504 Subordinators Introducing Indirect Statements 504 Tense and Mood in ὅτι/ώς-Clauses 505 In Primary Sequence 505 In Historic Sequence 506

With Verbs of Speaking 506

With Verbs of Perception, Knowledge and Emotion 511 The Continuation of Indirect Speech 512 Subordinate Clauses in Indirect Speech 513

### 42 Indirect Questions and Indirect Exclamations 517

Indirect Questions 517 Introduction: Direct versus Indirect Questions 517 Verbs Introducing Indirect Questions 517 Subordinators Introducing Indirect Questions 518 Yes/No-Questions and Alternative Questions 518 Specifying Questions 518 The Use of Moods in Indirect Questions 519 Indirect Exclamations 520 Introduction: Direct versus Indirect Exclamations 520 Verbs Introducing Indirect Exclamations 520 Construction of Indirect Exclamations 520

43	Fear Clauses 522
	Introduction; Verbs of Fearing and Apprehension 522
	Construction and Meaning of Fear Clauses 523
	Fear for Possible Future Actions 523
	Fear for (Uncertain) Present or Past Actions 524
	Use of Fear Clauses to Express Disappointment 524
	Independent Use of μή + Subjunctive 525
44	Effort Clauses 526
	Introduction; Verbs of Effort, (Pre)caution and Contriving 526
	Construction of Effort Clauses 526
	Further Particulars 527
	'Interference' between Fear and Effort Clauses 527
	Independent Use of ὄπως + Future Indicative 528
45	Purpose Clauses 529
	Introduction 529
	Construction of Purpose Clauses 529
46	Result Clauses 531
	Introduction 531
	Construction of Result Clauses 531
	With the Moods of Independent Sentences 531
	ώστε Introducing a New Sentence 532
	With the Infinitive 533
47	Temporal Clauses 536
	Introduction 536
	Expressions of 'Time When' 536
	Conjunctions Used in Temporal Clauses 536
	Moods and Tenses Used in Temporal Clauses 537
	'Temporal' Clauses with Causal Force 538
	Temporal Clauses Referring to a Single Action in the Past 538
	Temporal Clauses Referring to the Future 539
	Temporal Clauses Referring to a Repeated or Habitual Action 540
	ἕως 542
	πρίν 543
	Comparative Temporal Clauses (ὡς ὅτε/ὡς ὁπὀτε) 545

**48 Causal Clauses 546** Introduction 546 Construction of Causal Clauses 546 ὅτι and διότι 546 'Temporal' Conjunctions with Causal Force 547 ἐπεί/ώς Introducing a New Sentence 549

### 49 Conditional Clauses 550

Introduction 550

Neutral Conditions 551

Neutral Conditions with a Future Indicative in the Protasis 552

Prospective Conditions 552

Potential Conditions 553

Counterfactual Conditions 554

Habitual Conditions 555

Further Particulars 557

Mixed Conditionals 557

Concessive Clauses: εἰ καί and καὶ εἰ 558

Comparative Conditional Clauses: ώς εἰ, ὥσπερ εἰ and ὥσπερ ἄν εἰ as if 560

 $\epsilon$ i/è $\alpha$ v in case, in the hope that 560

 $\dot{\epsilon}\phi'\,\dot{\omega}(\tau\epsilon)$  on the condition that 561

Conditional Clauses in Indirect Discourse 561

Overview of Conditional Sentences (Basic Types) 562

# 50 Relative Clauses 563 Introduction 563

Relative Pronouns, Adjectives and Adverbs; Definite and Indefinite Relatives 563 Correlative Clauses 565 Digressive, Restrictive and Autonomous Relative Clauses 565 Antecedent, Agreement, Attraction and Connection 566 Basic Principles of Agreement 566 Relative Attraction 569 Inverse Relative Attraction 570 Incorporation of the Antecedent in the Relative Clause 570 Relative Connection 571 Moods and Tenses in Relative Clauses 571 In Digressive Clauses 571 In Restrictive Clauses 572 Further Particulars 574 Relative Clauses Expressing Cause, Purpose, or Result 574 Potential and Counterfactual Constructions in Restrictive Clauses 575 (Cor)relative Clauses with Relative Adjectives or Adverbs 576 With Relative Adjectives (οἶος, ὑποῖος, ὅσος, ὑπόσος) 576

With Relative Adverbs 577 Relative Adverbs of Place (and Time) 577 Relative Adverbs of Manner: Clauses of Comparison 578 51 The Infinitive 580 Introduction 580 Basic Properties 580 Overview of Uses: Dynamic and Declarative Infinitives, Articular Infinitives, Other Uses 580 Without the Article: Dynamic and Declarative Infinitive 580 With the Article: Other Uses 582 The Dynamic Infinitive 583 Verbs Taking a Dynamic Infinitive 583 Expression of the Subject of Dynamic Infinitives 585 Negatives with Dynamic Infinitives 588 Tense and Aspect of Dynamic Infinitives 588 Further Particulars 589 Dynamic Infinitives Expressing Purpose or Result 589 Dynamic Infinitives Specifying Adjectives and Nouns 590 The Declarative Infinitive 591 Verbs Taking a Declarative Infinitive 591 Expression of the Subject with Declarative Infinitives 592 Negatives with the Declarative Infinitive 593 Tense and Aspect of Declarative Infinitives 593 αν with the Declarative Infinitive 595 Verbs Taking Both Constructions 596 The Infinitive with Verbs of Preventing and Denying 599 The Construction of Verbs of Hindering/Preventing with Other Verbs 600 The Articular Infinitive 601 Introduction 601 Expression of Subjects with Articular Infinitives 602 Negative with the Articular Infinitive 603 Tense and Aspect of Articular Infinitives 603 Frequent Uses of the Articular Infinitive 604 Other Uses of the Infinitive 605

#### 52 The Participle 606

Introduction 606 Basic Properties; Main Uses 606 Placement of Participles 607 Tense/Aspect and 'Mood' of Participles 607

αν with Participles 610 The Supplementary Participle 610 Introduction; Verbs Taking a Supplementary Participle 610 Verbs Taking a Supplementary Participle which Expresses an Action which is Realized 612 Verbs Taking a Supplementary Participle which Expresses Propositional Content 613 Verbs Taking a Supplementary Participle which Expresses a Way of Being 614 The Case Form of Supplementary Participles and their Subjects 615 Supplementary Participles and Other Complement Constructions 617 Verbs of Perception Taking More Than One Type of Supplementary Participle 617 Verbs Taking a Participle or an Infinitive: Verbs of Knowledge 619 Verbs Taking a Participle or an Infinitive: Other Verbs 621 Verbs Taking Both Participles and ὅτι/ώς-Clauses 622 The Circumstantial Participle 623 Introduction 623 The Case Form of Circumstantial Participles and Their Subjects 623 Connected Participles 624 Genitive Absolute 624 Accusative Absolute 626 Interpretation of Circumstantial Participles 626 Time, Circumstance 626 Cause, Motivation 627 Condition 628 Purpose 629 Manner, Means 629 Comparison 630 Concession 630 Dominant Use of Circumstantial Participles 630 The Participle in Noun Phrases 631 Attributive Use (as Modifier) and Substantival Use (as Head) 631 Generic Use 632 Tense/Aspect of Attributive and Substantival Participles 633 Participles in Apposition 633 Periphrastic Uses of the Participle 634 εἰμί + Participle 634  $\xi_{\chi\omega}$  + Participle 635

53 Overview of Subordinate Constructions 636 Complements 636

#### Contents

Further Particulars 637 Adverbial and Adjectival Subordinate Clauses 638 Further Particulars 639

# 54 Overview of Moods 640

Indicative 640 Modal (Secondary) Indicative 641 Subjunctive 642 Optative 643 Imperative 644 Moods of Independent Sentences in Subordinate Clauses 645

# 55 Overview of the Uses of av 646

In Independent Sentences 646 In Finite Subordinate Clauses 646 With Infinitives and Participles 647

#### 56 Overview of Negatives 648

General Points 648 οὐ versus μή 648 Multiple Negatives 648 In Independent Sentences 649 In Subordinate Clauses 650 With Infinitives 650 With Participles 651

# 57 Overview of the Uses of ώς 652

As a Conjunction 652 As an Adverb 653 As a Preposition 654

# PART III: TEXTUAL COHERENCE 655

# 58 Introduction to Textual Coherence 657

Coherence 657 Sentences versus Texts 657 Relations between Text Segments; Hierarchy; Interactional Relations 658 Devices Indicating Coherence 659 Text Types 660 59 Particles 663 Introduction 663 Meanings and Functions; Types of Particle 663 Particle Combinations 664 The Position of Particles 665 Connective Particles 665 Introduction 665 List of Connective Particles 667 **ἀλλά 667 ἀτάρ** 668 αủ and αὐτε 668 γάρ 668 δέ 671 ή 673 καί 673 καίτοι 675 μέν 676 μέντοι 677 νυν 679 οὐδέ/μηδέ and οὔτε/μήτε 679 ούκοῦν and οὕκουν 680 oบ้v 681 те 683 τοιγάρ, τοιγαροῦν, and τοιγάρτοι 683 τοίνυν 684 Attitudinal Particles 685 Introduction 685 List of Attitudinal Particles 685 **ἄρα 685** ἆρα 686 δαί 686 δή 686 δήπου 688 δῆτα 689 η 689 μήν 689 που 690 тоі 691 Particles of Scope 692 Introduction 692 List of Scope Particles 692

γε 692 γοῦν 692 περ 693 'Adverbial' καί 693 Particle Combinations 694 List of Particle Combinations 694 άλλὰ γάρ and ἀλλἁ ... γάρ 694 ἀλλἁ (...) δή 695 άλλὰ μήν 695 άλλ' οὖν 695 γὰρδή 695 γάρουν 696 δ'οὖν 696 ň μήν 696 καὶ γἀρ 697 καὶ...δέ 697 καὶδή 698 καίδή καί 698 καὶ μήν 699 μέν οὖν (attitudinal μήν + οὖν) 699 μέν οὖν ( ... δέ) and μέν τοίνυν ( ... δέ) 700 ού μήν άλλά and ού μέντοι άλλά 700 ού μήν οὐδέ and οὐδὲ μήν 701

#### 60 Word Order 702

Introduction 702

Words with a Fixed Position: Postpositives and Prepositives 703 Mobile, Postpositive and Prepositive Words 703 The Placement of Postpositives 704 The Placement of Prepositives 706 The Ordering of Words in Noun Phrases 707 Head-Modifier versus Modifier-Head 707 Multiple Modifiers 708 Hyperbaton 709 The Ordering of Constituents Within the Clause 709 Asserted and Presupposed Information 709 Consequences for Greek Constituent Order: Focus and Topic 711 Focus Constructions: Broad and Narrow Focus 712 Topics 713 Given Topics (Postverbal) 714 Contrastive and New Topics (Clause-initial) 714

The Periphery of the Clause: Settings, Themes and Tails 717 Settings 717 Themes 718 Tails 719 Overview of Clauses with a Periphery 720 Prolepsis 720

#### 61 Four Sample Passages 722

Narrative: Lysias 12.5–12 722 Introduction and Text 722 Commentary 724 Description: Xenophon, Anabasis 1.5.1–4 729 Introduction and Text 729 Commentary 730 Argument: Plato, Gorgias 484c–485a 735 Introduction and Text 735 Commentary 736 Dialogue: Sophocles, Ajax 1120–41 741 Introduction and Text 741 Commentary 742

## Bibliography 749

Introduction 749
List of Books, Articles and Online Sources 749

I Encyclopedias, Companions (with Full Bibliographies) 749
II Online Sources 749
III General Works on Language and Linguistics 750
IV Historical Linguistics (Indo-European, Greek Historical Grammar, Etymology) and Greek Dialectology 751
V Greek: Full Reference Grammars 752
VI Greek: Phonology, Morphology, Accentuation, Word Formation 752
VII Greek: Syntax, Semantics, Pragmatics, Discourse 753

Index of Examples 757
Index of Greek Words 794