

# Contents

<b>Foreword</b>	<b>xi</b>
<b>Preface</b>	<b>xiii</b>
<b>A. Introduction</b>	<b>1</b>
A.1. Historical highlights . . . . .	1
A.2. Language trees . . . . .	3
A.3. Sound laws . . . . .	5
A.4. Analogy and levelling . . . . .	7
A.5. Back-formation . . . . .	7
A.6. Borrowing . . . . .	8
A.7. Conventions . . . . .	9
A.8. Overview . . . . .	10
A.9. Abbreviations . . . . .	10
A.9.1. Cases . . . . .	10
A.9.2. Numbers . . . . .	11
A.9.3. Genders . . . . .	11
A.9.4. Languages . . . . .	11
A.9.5. Sounds . . . . .	12
A.9.6. Sound laws . . . . .	14
A.9.7. Additional grammatical terms . . . . .	16
A.9.8. Other abbreviations . . . . .	18
<b>B. Sound laws</b>	<b>19</b>
B.1. Indo-European phonemes . . . . .	19
B.1.1. Vowels . . . . .	19
B.1.2. Consonants . . . . .	19
B.1.3. Semivowels and syllabic nasals and liquids . . . . .	20
B.1.4. Laryngeals . . . . .	20
B.2. Vowel sound laws, laryngeal sound laws, and vowel gradation . . . . .	21
B.2.1. Old Indic <i>a</i> and <i>ā</i> . . . . .	21
B.2.2. Semivowels . . . . .	22
B.2.3. Diphthongs . . . . .	24
B.2.4. Vowel gradation (ablaut) . . . . .	26

## Contents

B.2.5. Sanskrit representation of IE syllabic nasals and liquids, without laryngeals . . . . .	29
B.2.6. Resolution of syllabic conflicts . . . . .	29
B.2.7. Laryngeal sound laws . . . . .	30
B.2.8. Vowel sandhi rules . . . . .	32
B.2.9. Lengthening of Indo-European <i>o</i> in open syllables (according to Brugmann) . . . . .	35
<b>B.3. Consonants . . . . .</b>	<b>36</b>
B.3.1. Old Indic consonants . . . . .	36
B.3.2. Primary and secondary palatalisation . . . . .	37
B.3.3. Aspiration laws (due to Bartholomae, due to Grassmann) . . . . .	39
B.3.4. Assimilations . . . . .	41
B.3.5. Consonant clusters and word-final consonants . . . . .	46
B.3.6. Minor sound laws . . . . .	48
B.3.7. Compensatory lengthenings . . . . .	50
B.3.7.1. Compensatory lengthening for suppression of <i>z</i> . . . . .	50
B.3.7.2. Word-final compensatory lengthening . . . . .	53
B.3.7.3. Compensatory lengthening for suppression of <i>d</i> . . . . .	54
B.3.8. Visarga rules . . . . .	54
B.3.9. Laryngeal sound laws . . . . .	55
<b>B.4. Middle and New Indic . . . . .</b>	<b>56</b>
B.4.1. Introductory remark . . . . .	56
B.4.2. Vowels and diphthongs . . . . .	57
B.4.3. Consonants . . . . .	59
B.4.4. A few New Indic developments . . . . .	67
<b>B.5. Sound laws of other IE languages . . . . .</b>	<b>68</b>
B.5.1. Vowels and diphthongs . . . . .	68
B.5.2. Syllabic Indo-European nasals and liquids . . . . .	69
B.5.3. Ablaut in English and German . . . . .	71
B.5.4. Consonants: From Indo-European to Greek, Latin, and Germanic . . . . .	72
B.5.5. Consonants: From Germanic to New High German . . . . .	74
B.5.6. Consonants: From Indo-European to Germanic and English . . . . .	78
<b>C. Word formation</b>	<b>81</b>
C.1. Roots . . . . .	81
C.2. Ten verbal classes, overview . . . . .	84
C.2.1. Thematic versus athematic classes . . . . .	84
C.2.2. The four thematic classes . . . . .	85
C.2.3. The second class . . . . .	89
C.2.4. The third class . . . . .	92
C.2.5. The nasal infix classes . . . . .	93
C.2.6. The fifth class . . . . .	96

C.2.7. The seventh class . . . . .	96
C.2.8. The eighth class . . . . .	96
C.2.9. The ninth class . . . . .	97
C.3. Infinitive and other normal-grade forms . . . . .	97
C.3.1. General rule . . . . .	97
C.3.2. OI roots ending in a nasal . . . . .	98
C.3.3. Aspiration and cerebralisation . . . . .	99
C.3.4. Laryngeals . . . . .	102
C.3.5. Agent nouns, instrument nouns, and action nouns . . . . .	103
C.3.6. Comparative and superlative . . . . .	109
C.3.7. Future in <i>sy</i> . . . . .	109
C.3.8. Causatives . . . . .	113
C.3.9. Gerunds in <i>am</i> and <i>yam</i> . . . . .	114
C.4. Past participle and other zero-grade forms . . . . .	115
C.4.1. Root nouns . . . . .	115
C.4.2. General rule for PPP . . . . .	117
C.4.3. OI roots ending in a nasal . . . . .	119
C.4.4. Aspiration and cerebralisation . . . . .	119
C.4.5. Laryngeals . . . . .	124
C.4.6. Nouns and adjectives . . . . .	127
C.4.7. Passive voice . . . . .	132
C.4.8. Desideratives . . . . .	136
C.4.9. Compound-final “zero grades” . . . . .	145
C.5. Lengthened-grade forms and forms using several grades . . . . .	147
C.5.1. Rare lengthened grade in action nouns . . . . .	147
C.5.2. Derivatives . . . . .	147
C.5.3. Frequentatives . . . . .	148
C.5.4. Gerundives . . . . .	151
C.6. Miscellanea . . . . .	152
C.6.1. Derivatives . . . . .	152
C.6.2. Ātmanēpada present-tense participles . . . . .	154
<b>D. Conjugations</b>	<b>155</b>
D.1. Thematic and athematic verbs . . . . .	155
D.1.1. Thematic verbs . . . . .	155
D.1.2. Athematic verbs . . . . .	159
D.1.3. The second class . . . . .	163
D.1.4. The third class . . . . .	179
D.1.5. The fifth class . . . . .	187
D.1.6. The seventh class . . . . .	191
D.1.7. The eighth class . . . . .	197
D.1.8. The ninth class . . . . .	200

## Contents

D.2. Reduplicative perfect . . . . .	203
D.2.1. General remarks . . . . .	203
D.2.2. Strong forms . . . . .	203
D.2.3. Weak forms . . . . .	207
D.2.4. Conjugation . . . . .	212
D.3. Aorist . . . . .	213
D.3.1. General remarks . . . . .	213
D.3.2. Thematic aorist . . . . .	213
D.3.3. Reduplicated aorist . . . . .	214
D.3.4. Root aorist . . . . .	215
D.3.5. Sigmatic aorist with <i>sa</i> . . . . .	215
D.3.6. Sigmatic aorist with <i>is</i> . . . . .	216
D.3.7. Sigmatic aorist with <i>sis</i> . . . . .	217
D.3.8. Sigmatic aorist with <i>s</i> . . . . .	217
<b>E. Declensions</b>	<b>221</b>
E.1. Nouns: categories . . . . .	221
E.1.1. Distribution of weak and strong forms . . . . .	221
E.1.2. Characteristics of vocalic and consonantal nouns . . . . .	221
E.1.3. Consonantal nouns . . . . .	222
E.1.4. Vocalic nouns . . . . .	222
E.1.5. Hybrid nouns . . . . .	223
E.2. Nouns: endings . . . . .	223
E.2.1. A few general remarks . . . . .	223
E.2.2. Locative singular . . . . .	225
E.2.3. Locative pl. with <i>su</i> . . . . .	226
E.2.4. Genitive plural . . . . .	227
E.2.5. Accusatives with <i>m</i> . . . . .	228
E.3. Nouns: weak and strong forms . . . . .	229
E.3.1. Introductory remark and overview . . . . .	229
E.3.2. One stem, only . . . . .	229
E.3.3. Neuter stems in <i>as</i> , <i>is</i> , and <i>us</i> . . . . .	234
E.3.4. Stems in <i>mant</i> , <i>vant</i> , <i>ant</i> , and <i>ans</i> . . . . .	237
E.3.5. <i>an</i> and <i>in</i> stems like <i>rāj-an</i> and <i>yōg-in</i> . . . . .	245
E.3.6. Agent and kinship nouns like <i>nē-tar</i> and <i>pitar</i> . . . . .	251
E.3.7. Stems in diphthongs . . . . .	254
E.3.8. Feminine <i>ī</i> and <i>ū</i> stems . . . . .	256
E.3.9. <i>i</i> and <i>u</i> stems . . . . .	261
E.3.10. <i>a</i> and <i>ā</i> stems . . . . .	267
E.4. Adverbs from fossilised case endings . . . . .	270
E.4.1. Accusative . . . . .	270
E.4.2. Instrumental . . . . .	271

E.4.3. Ablative . . . . .	271
E.4.4. Locative . . . . .	271
E.4.5. <i>tas</i> suffix . . . . .	271
E.4.6. <i>śas</i> suffix . . . . .	272
E.4.7. <i>vat</i> suffix . . . . .	272
E.4.8. <i>dhā</i> suffix . . . . .	272
<b>F. Selective etymological dictionary</b>	<b>273</b>
F.1. Introductory remarks . . . . .	273
F.2. Vowels . . . . .	274
F.2.1. <i>a</i> . . . . .	274
F.2.2. <i>ā</i> . . . . .	289
F.2.3. <i>i</i> . . . . .	290
F.2.4. <i>ī</i> . . . . .	292
F.2.5. <i>u</i> . . . . .	293
F.2.6. <i>ū</i> . . . . .	296
F.2.7. <i>r̥</i> . . . . .	297
F.2.8. <i>ē, āi</i> . . . . .	298
F.2.9. <i>ō, āu</i> . . . . .	298
F.3. Velar stops . . . . .	299
F.3.1. <i>k</i> . . . . .	299
F.3.2. <i>g</i> . . . . .	304
F.3.3. <i>gh</i> . . . . .	310
F.4. Palatal stops . . . . .	311
F.4.1. <i>c</i> . . . . .	311
F.4.2. <i>ch</i> . . . . .	314
F.4.3. <i>j</i> . . . . .	314
F.5. Dental stops and nasal . . . . .	319
F.5.1. <i>t</i> . . . . .	319
F.5.2. <i>d</i> . . . . .	325
F.5.3. <i>dh</i> . . . . .	336
F.5.4. <i>n</i> . . . . .	341
F.6. Labial stops and nasal . . . . .	346
F.6.1. <i>p</i> . . . . .	346
F.6.2. <i>ph</i> . . . . .	357
F.6.3. <i>b</i> . . . . .	357
F.6.4. <i>bh</i> . . . . .	361
F.6.5. <i>m</i> . . . . .	366
F.7. Semivowels . . . . .	371
F.7.1. <i>y</i> . . . . .	371
F.7.2. <i>r̥</i> . . . . .	373
F.7.3. <i>l</i> . . . . .	376

*Contents*

F.7.4. <i>v</i> . . . . .	379
F.8. Sibilants . . . . .	386
F.8.1. <i>ś</i> . . . . .	386
F.8.2. <i>ʂ</i> . . . . .	392
F.8.3. <i>s</i> . . . . .	393
F.9. Aspirant <i>h</i> . . . . .	404
<b>Bibliography</b>	<b>411</b>
<b>Index</b>	<b>415</b>