

LIST OF PARADIGMS: 1) NOUNS

(Numbers indicate chapter of introduction.)

(Sandhi note: all instances of final -s are given in their sandhied form, -ḥ.)

The following cases are always identical: GENABL SG except of *a*-stem nouns; NOMVOCACC DU, INSTRDATABL DU, GENLOC DU; NOMVOC PL, DATABL PL; NOMVOCACC NTR of all numbers, except *a*-stem SG.

	<i>a</i> (m.): 6	<i>a</i> (n.): 6	<i>ā</i> (f.): 9	<i>ī</i> (f.): 13	<i>ī</i> (root, f.): 13	<i>ū</i> (f.): 13	<i>ū</i> (root, f.): 13	
	'happy'		'river'	'thought'	'bride'	'earth'		
S	Nom	<i>sukhaḥ sukham</i>	<i>sukhā</i>	<i>nadī</i>	<i>dhīḥ</i>	<i>vadhūḥ</i>	<i>bhūḥ</i>	Nom
	Voc	<i>sukha sukha</i>	<i>sukhe</i>	<i>nadi</i>	<i>dhīḥ</i>	<i>vadhu</i>	<i>bhūḥ</i>	Voc
	Acc	<i>sukham sukham</i>	<i>sukhām</i>	<i>nadīm</i>	<i>dhiyam</i>	<i>vadhūm</i>	<i>bhuvam</i>	Acc
	Instr	<i>sukhena</i>	<i>sukhayā</i>	<i>nadyā</i>	<i>dhiyā</i>	<i>vadhvā</i>	<i>bhuvā</i>	Instr
	Dat	<i>sukhāya</i>	<i>sukhāyai</i>	<i>nadyai</i>	<i>dhiye, dhiyai</i>	<i>vadhvai</i>	<i>bhuve, bhuvai</i>	Dat
	Abl	<i>sukhāt</i>	<i>sukhāyāḥ</i>	<i>nadyāḥ</i>	<i>dhiyaḥ, dhiyāḥ</i>	<i>vadhvāḥ</i>	<i>bhuvāḥ, bhuvāḥ</i>	Abl
	Gen	<i>sukhasya</i>	<i>sukhāyāḥ</i>	<i>nadyāḥ</i>	<i>dhiyaḥ, dhiyāḥ</i>	<i>vadhvāḥ</i>	<i>bhuvāḥ, bhuvāḥ</i>	Gen
	Loc	<i>sukhe</i>	<i>sukhāyām</i>	<i>nadyām</i>	<i>dhiyi, dhiyām</i>	<i>vadhvām</i>	<i>bhuvi, bhuvām</i>	Loc
D	NomVocAcc	<i>sukhau sukhe</i>	<i>sukhe</i>	<i>nadyau</i>	<i>dhiyau</i>	<i>vadhvau</i>	<i>bhuvau</i>	NomVocAcc
	InstrDatAbl	<i>sukhābhyām</i>	<i>sukhābhyām</i>	<i>nadībhyām</i>	<i>dhībhyām</i>	<i>vadhūbhyām</i>	<i>bhūbhyām</i>	InstrDatAbl
	GenLoc	<i>sukhayoḥ</i>	<i>sukhayoḥ</i>	<i>nadyoḥ</i>	<i>dhiyoḥ</i>	<i>vadhvoḥ</i>	<i>bhuvoḥ</i>	GenLoc
P	NomVoc	<i>sukhāḥ sukhāni</i>	<i>sukhāḥ</i>	<i>nadyāḥ</i>	<i>dhiyaḥ</i>	<i>vadhvaḥ</i>	<i>bhuvāḥ</i>	NomVoc
	Acc	<i>sukhān sukhāni</i>	<i>sukhāḥ</i>	<i>nadīḥ</i>	<i>dhiyaḥ</i>	<i>vadhūḥ</i>	<i>bhuvāḥ</i>	Acc
	Instr	<i>sukhaiḥ</i>	<i>sukhābhiḥ</i>	<i>nadībhiḥ</i>	<i>dhībhiḥ</i>	<i>vadhūbhiḥ</i>	<i>bhūbhiḥ</i>	Instr
	DatAbl	<i>sukhebhyaḥ</i>	<i>sukhābhyaḥ</i>	<i>nadībhyaḥ</i>	<i>dhībhyaḥ</i>	<i>vadhūbhyaḥ</i>	<i>bhūbhyaḥ</i>	DatAbl
	Gen	<i>sukhānām</i>	<i>sukhānām</i>	<i>nadīnām</i>	<i>dhiyām, dhīnām</i>	<i>vadhūnām</i>	<i>bhuvām, bhūnām</i>	Gen
Loc	<i>sukheṣu</i>	<i>sukhāsu</i>	<i>nadīṣu</i>	<i>dhīṣu</i>	<i>vadhūṣu</i>	<i>bhūṣu</i>	Loc	

a-stem adjectives: Feminines may be *ī*- rather than *ā*-stems; this is unpredictable, hence indicated in dictionaries etc.; e.g. *sundara*, *-ī* 'beautiful'.

	<i>i</i> (m.): 26 'fire'	<i>i</i> (n.): 26 'water'	<i>i</i> (f.): 26 'mind'	<i>u</i> (m.): 26 'bow'	<i>u</i> (n.): 26 'honey'	<i>u</i> (f.): 26 'cow'	ṛ (m.): 29 'leader'	ṛ (m.): 29 'father'	ṛ (f.): 29 'mother'		
S	Nom	<i>agniḥ</i>	<i>vāri</i>	<i>matih</i>	<i>dhanuḥ</i>	<i>madhu</i>	<i>dhenuḥ</i>	<i>netā</i>	<i>pitā</i>	<i>mātā</i>	Nom
	Voc	<i>agne</i>	<i>vāri</i>	<i>mate</i>	<i>dhanō</i>	<i>madhu</i>	<i>dhenō</i>	<i>netah</i>	<i>pitah</i>	<i>mātaḥ</i>	Voc
	Acc	<i>agnim</i>	<i>vāri</i>	<i>matim</i>	<i>dhanum</i>	<i>madhu</i>	<i>dhenum</i>	<i>netāram</i>	<i>pitaram</i>	<i>mātaram</i>	Acc
	Instr	<i>agninā</i>	<i>vāriṇā</i>	<i>matyā</i>	<i>dhanunā</i>	<i>madhunā</i>	<i>dhenvā</i>	<i>netrā</i>	<i>pitrā</i>	<i>mātrā</i>	Instr
	Dat	<i>agnaye</i>	<i>vāriṇe</i>	<i>matyai, mataye</i>	<i>dhanave</i>	<i>madhune</i>	<i>dhenvai, dhenave</i>	<i>netre</i>	<i>pitre</i>	<i>mātre</i>	Dat
	AblGen	<i>agneḥ</i>	<i>vāriṇaḥ</i>	<i>matyāḥ, mateḥ</i>	<i>dhanoh</i>	<i>madhunaḥ</i>	<i>dhenvāḥ, dhenoh</i>	<i>netuḥ</i>	<i>pituh</i>	<i>mātuḥ</i>	AblGen
	Loc	<i>agnau</i>	<i>vāriṇi</i>	<i>matyām, matau</i>	<i>dhanau</i>	<i>madhuni</i>	<i>dhenvām, dhenau</i>	<i>netari</i>	<i>pitari</i>	<i>mātari</i>	Loc
D	NVA	<i>agnī</i>	<i>vāriṇī</i>	<i>matī</i>	<i>dhanū</i>	<i>madhunī</i>	<i>dhenū</i>	<i>netārau</i>	<i>pitarau</i>	<i>mātarau</i>	NVA
	InstrDatAbl	<i>agnibhyām</i>	<i>vāribhyām</i>	<i>matibhyām</i>	<i>dhanubhyām</i>	<i>madhubhyām</i>	<i>dhenubhyām</i>	<i>netṛbhyām</i>	<i>pitṛbhyām</i>	<i>mātrbhyām</i>	InstrDatAbl
	GenLoc	<i>agnyoḥ</i>	<i>vāriṇoḥ</i>	<i>matyoḥ</i>	<i>dhanvoḥ</i>	<i>madhunoḥ</i>	<i>dhenvoḥ</i>	<i>netroḥ</i>	<i>pitroḥ</i>	<i>mātroḥ</i>	GenLoc
P	NomVoc	<i>agnayaḥ</i>	<i>vāriṇi</i>	<i>matayaḥ</i>	<i>dhanavaḥ</i>	<i>madhūni</i>	<i>dhenavaḥ</i>	<i>netāraḥ</i>	<i>pitaraḥ</i>	<i>mātarāḥ</i>	NomVoc
	Acc	<i>agnīn</i>	<i>vāriṇi</i>	<i>matih</i>	<i>dhanūn</i>	<i>madhūni</i>	<i>dhenūḥ</i>	<i>netṛn</i>	<i>pitṛn</i>	<i>mātrḥ</i>	Acc
	Instr	<i>agnibhiḥ</i>	<i>vāribhiḥ</i>	<i>matibhiḥ</i>	<i>dhanubhiḥ</i>	<i>madhubhiḥ</i>	<i>dhenubhiḥ</i>	<i>netṛbhiḥ</i>	<i>pitṛbhiḥ</i>	<i>mātrbhiḥ</i>	Instr
	DatAbl	<i>agnibhyaḥ</i>	<i>vāribhyaḥ</i>	<i>matibhyaḥ</i>	<i>dhanubhyaḥ</i>	<i>madhubhyaḥ</i>	<i>dhenubhyaḥ</i>	<i>netṛbhyaḥ</i>	<i>pitṛbhyaḥ</i>	<i>mātrbhyaḥ</i>	DatAbl
	Gen	<i>agnīnām</i>	<i>vāriṇām</i>	<i>matīnām</i>	<i>dhanūnām</i>	<i>madhūnām</i>	<i>dhenūnām</i>	<i>netṛnām</i>	<i>pitṛnām</i>	<i>mātrnām</i>	Gen
	Loc	<i>agnīṣu</i>	<i>vāriṣu</i>	<i>matīṣu</i>	<i>dhanuṣu</i>	<i>madhuṣu</i>	<i>dhenuṣu</i>	<i>netṛṣu</i>	<i>pitṛṣu</i>	<i>mātrṣu</i>	Loc

i- (and *u*-)stem adjectives: Neuter may use same forms as masculine where neuter forms add *-n* to stem. Neuter *nouns* use only the inflection given above.

Feminines of *u*-stem adjectives may be formed by adding *-ī*: *bahu*- 'much, many' → fem. *bahvī*-.

ṛ-stems: two groups: agent nouns (strong stem in *vṛddhi*, except VOC SG); terms for family relations (strong stem in *guṇa*). In both: LOC SG in *guṇa*.

Consonant stems: Masc. = Fem.; Ntr. different in NOMVOCACC

	<i>t</i> (m.): 15 'wind'	<i>d</i> (f.): 15 'fall'	<i>c</i> (f.): 15 'voice'	<i>j</i> (m./f., n.): 15 'enjoying...'	<i>t</i> (n.): 15 'world'	<i>as</i> (n.) 24 'mind'	<i>as</i> (m./f.) 24 'benevolent'	<i>us</i> (n.) 24 'eye'	<i>us</i> (m./f.) 24 'blind'		
S	Nom	<i>marut</i>	<i>āpat</i>	<i>vāk</i>	<i>-bhuk -bhuk</i>	<i>jagat</i>	<i>manaḥ</i>	<i>sumanāḥ</i>	<i>caḥṣuḥ</i>	<i>acakṣuḥ</i>	Nom
	Voc	<i>marut</i>	<i>āpat</i>	<i>vāk</i>	<i>-bhuk -bhuk</i>	<i>jagat</i>	<i>manaḥ</i>	<i>sumanaḥ</i>	<i>caḥṣuḥ</i>	<i>acakṣuḥ</i>	Voc
	Acc	<i>marutam</i>	<i>āpadam</i>	<i>vācam</i>	<i>-bhujam -bhuk</i>	<i>jagat</i>	<i>manaḥ</i>	<i>sumanasam</i>	<i>caḥṣuḥ</i>	<i>acakṣuṣam</i>	Acc
	Instr	<i>marutā</i>	<i>āpadā</i>	<i>vācā</i>	<i>-bhujā</i>	<i>jagatā</i>	<i>manasā</i>	<i>sumanasā</i>	<i>caḥṣuṣā</i>	<i>acakṣuṣā</i>	Instr
	Dat	<i>marute</i>	<i>āpade</i>	<i>vāce</i>	<i>-bhuje</i>	<i>jagate</i>	<i>manase</i>	<i>sumanase</i>	<i>caḥṣuṣe</i>	<i>acakṣuṣe</i>	Dat
	AblGen	<i>marutaḥ</i>	<i>āpadaḥ</i>	<i>vācaḥ</i>	<i>-bhujah</i>	<i>jagataḥ</i>	<i>manasaḥ</i>	<i>sumanasah</i>	<i>caḥṣuṣah</i>	<i>acakṣuṣah</i>	AblGen
	Loc	<i>maruti</i>	<i>āpadi</i>	<i>vāci</i>	<i>-bhujī</i>	<i>jagati</i>	<i>manasi</i>	<i>sumanasi</i>	<i>caḥṣuṣi</i>	<i>acakṣuṣi</i>	Loc
D	NomVocAcc	<i>marutau</i>	<i>āpadau</i>	<i>vācau</i>	<i>-bhujau -bhujī</i>	<i>jagatī</i>	<i>manasī</i>	<i>sumanasau</i>	<i>caḥṣuṣī</i>	<i>acakṣuṣau</i>	NomVocAcc
	InstrDatAbl	<i>marudbhyaṃ</i>	<i>āpadbhyaṃ</i>	<i>vāgbhyaṃ</i>	<i>-bhugbhyaṃ</i>	<i>jagadbhyaṃ</i>	<i>manobhyaṃ</i>	<i>sumanobhyaṃ</i>	<i>caḥṣurbhyaṃ</i>	<i>acakṣurbhyaṃ</i>	InstrDatAbl
	GenLoc	<i>marutoḥ</i>	<i>āpadoḥ</i>	<i>vācoḥ</i>	<i>-bhujoh</i>	<i>jagatoḥ</i>	<i>manasoḥ</i>	<i>sumanasoḥ</i>	<i>caḥṣuṣoḥ</i>	<i>acakṣuṣoḥ</i>	GenLoc
P	NomVocAcc	<i>marutaḥ</i>	<i>āpadaḥ</i>	<i>vācaḥ</i>	<i>-bhujah -bhujī</i>	<i>jaganti</i>	<i>manāṃsi</i>	<i>sumanasah</i>	<i>caḥṣuṃṣi</i>	<i>acakṣuṣah</i>	NomVocAcc
	Instr	<i>marudbhiḥ</i>	<i>āpadbhiḥ</i>	<i>vāgbhiḥ</i>	<i>-bhugbhiḥ</i>	<i>jagadbhiḥ</i>	<i>manobhiḥ</i>	<i>sumanobhiḥ</i>	<i>caḥṣurbhiḥ</i>	<i>acakṣurbhiḥ</i>	Instr
	DatAbl	<i>marudbhyaḥ</i>	<i>āpadbhyaḥ</i>	<i>vāgbhyaḥ</i>	<i>-bhugbhyaḥ</i>	<i>jagadbhyaḥ</i>	<i>manobhyaḥ</i>	<i>sumanobhyaḥ</i>	<i>caḥṣurbhyaḥ</i>	<i>acakṣurbhyaḥ</i>	DatAbl
	Gen	<i>marutām</i>	<i>āpadām</i>	<i>vācām</i>	<i>-bhujām</i>	<i>jagatām</i>	<i>manasām</i>	<i>sumanasām</i>	<i>caḥṣuṣām</i>	<i>acakṣuṣām</i>	Gen
	Loc	<i>marutsu</i>	<i>āpatsu</i>	<i>vākṣu</i>	<i>-bhukṣu</i>	<i>jagatsu</i>	<i>manaḥsu</i>	<i>sumanaḥsu</i>	<i>caḥṣuḥṣu</i>	<i>acakṣuḥṣu</i>	Loc

is- and *us-* stems: parallel to *as-* stems, with exception of internal sandhi before consonants: wherever *as* → *o*, *is/us* → *ir/ur*, respectively; *ruki* applies (→ *-as-*, but *-iṣ-/-uṣ-*).

Note: Masculine/feminine *as-/is-/us-* stems: Identical endings, except for Nom Sg in *-āḥ*, but *-iḥ/-uḥ* with short vowel.

Adjective forms of all the above paradigms: Identical to masculine/feminine and neuter paradigms of nouns.

Stem gradation: in nouns that have a strong and a weak stem, the **strong** stem is found in the MASC NOMVOCACC SG and DU and NOMVOC PL, the weak stem everywhere else. Any variations are noted in relation to each paradigm.

		<i>an</i> (m.): 29	<i>an</i> (m.): 29	<i>an</i> (n.): 29	<i>in</i> (m.): 29	<i>in</i> (n.): 29		
		‘king’	‘soul’	‘name’	‘going’			
S	Nom	<i>rājā</i>	<i>ātmanā</i>	<i>nāma</i>	<i>gāmī</i>	<i>gāmi</i>	Nom	
	Voc	<i>rājan</i>	<i>ātman</i>	<i>nāma</i>	<i>gāmin</i>	<i>gāmi</i>	Voc	
	Acc	<i>rājānam</i>	<i>ātmānam</i>	<i>nāma</i>	<i>gāminam</i>	<i>gāmi</i>	Acc	
	Instr	<i>rājñā</i>	<i>ātmanā</i>	<i>nāmnā</i>	<i>gāminā</i>		Instr	
	Dat	<i>rājñe</i>	<i>ātmane</i>	<i>nāmne</i>	<i>gāmine</i>		Dat	
	AblGen	<i>rājñah</i>	<i>ātmanah</i>	<i>nāmnah</i>	<i>gāminah</i>		AblGen	
	Loc	<i>rājñi/rājani</i>	<i>ātmani</i>	<i>nāmini/nāmani</i>	<i>gāmini</i>		Loc	
D	NomVocAcc	<i>rājānau</i>	<i>ātmānau</i>	<i>nāmnī/nāmanī</i>	<i>gāminau</i>	<i>gāminī</i>	NomVocAcc	
	InstrDatAbl	<i>rājabhyām</i>	<i>ātmabhyām</i>	<i>nāmbhyām</i>	<i>gāmibhyām</i>		Instr Dat Abl	
	GenLoc	<i>rājñoḥ</i>	<i>ātmanoḥ</i>	<i>nāmoḥ</i>	<i>gāminoḥ</i>		GenLoc	
P	NomVoc	<i>rājānah</i>	<i>ātmānah</i>	<i>nāmāni</i>	<i>gāminah</i>	<i>gāmīni</i>	NomVoc	
	Acc	<i>rājñah</i>	<i>ātmanah</i>	<i>nāmāni</i>	<i>gāminah</i>	<i>gāmīni</i>	Acc	
	Instr	<i>rājabhiḥ</i>	<i>ātmabhiḥ</i>	<i>nāmbhiḥ</i>	<i>gāmibhiḥ</i>		Instr	
	DatAbl	<i>rājabhyaḥ</i>	<i>ātmabhyaḥ</i>	<i>nāmbhyaḥ</i>	<i>gāmibhyaḥ</i>		DatAbl	
	Gen	<i>rājñām</i>	<i>ātmanām</i>	<i>nāmnām</i>	<i>gāminām</i>		Gen	
	Loc	<i>rājasu</i>	<i>ātmasu</i>	<i>nāmasu</i>	<i>gāmiṣu</i>		Loc	

an-stems: strong stem in *vṛddhi*, except VOC SG (*guṇa*). If more than one consonant precedes the *-an-*, the weak stem has *-an-*;

if only one consonant precedes, the weak stem has *-n-*.

in-stems: ‘having x’ if added to nouns; ‘regularly doing x’ if added to verbal root (usually in *guṇa* or *vṛddhi*). Feminines add *-ī*: *gāmīni*- ‘going’.

in-/an-stem adjectives: Identical to the corresponding noun forms in each gender.

		<i>ant:</i> 25		<i>vant, mant:</i> 25		<i>vas:</i> 35		<i>yas:</i> 35		cons.-stem endings		
		‘being’		‘virtuous’		‘having done’		‘better’		(Cf. Chapter 15)		
		(m.)	(n.)	(m.)	(n.)	(m.)	(n.)	(m.)	(n.)	(m./f.)	(n.)	
S	Nom	<i>san</i>	<i>sat</i>	<i>guṇavān</i>	<i>guṇavat</i>	<i>cakṛvān</i>	<i>cakṛvat</i>	<i>śreyān</i>	<i>śreyah</i>	Nom	(cf. Ch. 15)	-
	Voc	<i>san</i>	<i>sat</i>	<i>guṇavan</i>	<i>guṇavat</i>	<i>cakṛvan</i>	<i>cakṛvat</i>	<i>śreyan</i>	<i>śreyah</i>	Voc	-	-
	Acc	<i>santam</i>	<i>sat</i>	<i>guṇavantam</i>	<i>guṇavat</i>	<i>cakṛvāṃsam</i>	<i>cakṛvat</i>	<i>śreyamaṃsam</i>	<i>śreyah</i>	Acc	<i>-am</i>	-
	Instr	<i>satā</i>		<i>guṇavatā</i>		<i>cakruṣā</i>		<i>śreyasā</i>		Instr	<i>-ā</i>	
	Dat	<i>sate</i>		<i>guṇavate</i>		<i>cakruṣe</i>		<i>śreyase</i>		Dat	<i>-e</i>	
	AblGen	<i>sataḥ</i>		<i>guṇavataḥ</i>		<i>cakruṣaḥ</i>		<i>śreyasaḥ</i>		AblGen	<i>-aḥ</i>	
	Loc	<i>sati</i>		<i>guṇavati</i>		<i>cakruṣi</i>		<i>śreyasi</i>		Loc	<i>-i</i>	
D	NomVocAcc	<i>santau</i>	<i>satī</i>	<i>guṇavantau</i>	<i>guṇavati</i>	<i>cakṛvāṃsau</i>	<i>cakruṣī</i>	<i>śreyāṃsau</i>	<i>śreyasī</i>	NomVocAcc	<i>-au</i>	<i>-ī</i>
	InstrDatAbl	<i>sadbhyām</i>		<i>guṇavadbhyām</i>		<i>cakṛvadbhyām</i>		<i>śreyobhyām</i>		InstrDatAbl	<i>-ābhyām</i>	
	GenLoc	<i>satoḥ</i>		<i>guṇavatoḥ</i>		<i>cakruṣoḥ</i>		<i>śreyasoḥ</i>		GenLoc	<i>-oḥ</i>	
P	NomVoc	<i>santaḥ</i>	<i>santi</i>	<i>guṇavantaḥ</i>	<i>guṇavanti</i>	<i>cakṛvāṃsaḥ</i>	<i>cakṛvāṃsi</i>	<i>śreyāṃsaḥ</i>	<i>śreyāṃsi</i>	NomVoc	<i>-aḥ</i>	(Cf. Ch. 15)
	Acc	<i>sataḥ</i>	<i>santi</i>	<i>guṇavataḥ</i>	<i>guṇavanti</i>	<i>cakruṣaḥ</i>	<i>cakṛvāṃsi</i>	<i>śreyasaḥ</i>	<i>śreyāṃsi</i>	Acc	<i>-aḥ</i>	
	Instr	<i>sadbhiḥ</i>		<i>guṇavadbhiḥ</i>		<i>cakṛvadbhiḥ</i>		<i>śreyobhiḥ</i>		Instr	<i>-bhiḥ</i>	
	DatAbl	<i>sadbhyaḥ</i>		<i>guṇavadbhyaḥ</i>		<i>cakṛvadbhyaḥ</i>		<i>śreyobhyaḥ</i>		DatAbl	<i>-bhyaḥ</i>	
	Gen	<i>satām</i>		<i>guṇavatām</i>		<i>cakruṣām</i>		<i>śreyasām</i>		Gen	<i>-ām</i>	
	Loc	<i>satsu</i>		<i>guṇavatsu</i>		<i>cakṛvatsu</i>		<i>śreyasḥsu</i>		Loc	<i>-su</i>	

-vas-: strong *-vāṃs-*; note weak suffix *-vad-* (before consonants) vs. *-uṣ-* (before vowels).

Feminines: Of the above stems, feminines are formed by adding *-ī* to the zero grade stem. (Exception: PRES ACT PTC (= *ant*-stems) of thematic verbs: *-ī* added to stem in *guṇa*.)

The resulting forms are declined like regular *ī*-stems: *bharantī-/satī-* – *guṇavati-* – *cakruṣī-* – *śreyasī-*

ADJECTIVES: COMPARATIVES AND SUPERLATIVES

There are two ways of forming comparatives and superlatives of adjectives:

- 1) Add *-tara-* or *-tama-* to stem: e.g. *śīghra-* ‘fast’ – *śīghratara-* ‘faster’ – *śīghratama-* ‘fastest’
- 2) Rarer: add *-(ī)yas-* or *-iṣṭha-* to often unpredictable form of adjective stem: e.g. *guru-* ‘heavy’ – *gariyas-* ‘heavier’ – *gariṣṭha-* ‘heaviest’; comparative has *-(ī)yāṃs-* in strong cases, *-(ī)yas-* in weak cases, *-(ī)yan* in VOC SG MASC; feminines are formed by adding *-ī* to the weak stem.

LIST OF PARADIGMS: 2) PRONOUNS

		<i>mat</i> :- 32	<i>tvat</i> :- 32	<i>tad</i> :- 20			<i>idam</i> :- 20			<i>adas</i> :- 39				
		'I'	'you'	'he'	'it'	'she'	'this'			'that'				
		all genders			(m)	(n)	(f)	(m)	(n)	(f)	(m)	(n)	(f)	
S	Nom	<i>aham</i>	<i>tvam</i>	<i>saḥ</i>	<i>tat</i>	<i>sā</i>	<i>ayam</i>	<i>idam</i>	<i>iyam</i>	<i>asau</i>	<i>adaḥ</i>	<i>asau</i>	Nom	
	Acc	<i>mām, mā</i>	<i>tvām, tvā</i>	<i>tam</i>	<i>tat</i>	<i>tām</i>	<i>imam</i>	<i>idam</i>	<i>imām</i>	<i>amum</i>	<i>adaḥ</i>	<i>amūm</i>	Acc	
	Instr	<i>mayā</i>	<i>tvayā</i>	<i>tena</i>		<i>tayā</i>	<i>anena</i>		<i>anayā</i>	<i>amunā</i>		<i>amuyā</i>	Instr	
	Dat	<i>mahyam, me</i>	<i>tubhyam, te</i>	<i>tasmai</i>		<i>tasyai</i>	<i>asmai</i>		<i>asyai</i>	<i>asmuṣmai</i>		<i>amuṣyai</i>	Dat	
	Abl	<i>mat</i>	<i>tvat</i>	<i>tasmāt</i>		<i>tasyāḥ</i>	<i>asmāt</i>		<i>asyāḥ</i>	<i>amuṣmāt</i>		<i>amuṣyāḥ</i>	Abl	
	Gen	<i>mama, me</i>	<i>tava, te</i>	<i>tasya</i>		<i>tasyāḥ</i>	<i>asya</i>		<i>asyāḥ</i>	<i>amuṣya</i>		<i>amuṣyāḥ</i>	Gen	
	Loc	<i>mayi</i>	<i>tvayi</i>	<i>tasmin</i>		<i>tasyām</i>	<i>asmin</i>		<i>asyām</i>	<i>amuṣmin</i>		<i>amuṣyām</i>	Loc	
D	NomAcc	<i>āvām</i>	<i>yuvām</i>	<i>tau</i>	<i>te</i>	<i>te</i>	<i>imau</i>	<i>ime</i>	<i>ime</i>		<i>amū</i>		NomAcc	
	InstrDatAbl	<i>āvābhyām</i>	<i>yuvābhyām</i>	<i>tābhyām</i>		<i>tābhyām</i>	<i>ābhyām</i>		<i>ābhyām</i>		<i>amūbhyām</i>		InstrDatAbl	
	GenLoc	<i>āvayoḥ</i>	<i>yuvayoḥ</i>	<i>tayoḥ</i>		<i>tayoḥ</i>	<i>anayoḥ</i>		<i>anayoḥ</i>		<i>amuyoḥ</i>		GenLoc	
P	Nom	<i>vayam</i>	<i>yūyam</i>	<i>te</i>	<i>tāni</i>	<i>tāḥ</i>	<i>ime</i>	<i>imāni</i>	<i>imāḥ</i>	<i>amī</i>	<i>amūni</i>	<i>amūḥ</i>	Nom	
	Acc	<i>asmān, naḥ</i>	<i>yuṣmān, vaḥ</i>	<i>tān</i>			<i>imān</i>			<i>amūn</i>			Acc	
	Instr	<i>asmābhiḥ</i>	<i>yuṣmābhiḥ</i>	<i>taiḥ</i>		<i>tābhiḥ</i>	<i>ebhiḥ</i>		<i>ābhiḥ</i>	<i>amībhiḥ</i>		<i>amūbhiḥ</i>	Instr	
	Dat	<i>asmabhyam, naḥ</i>	<i>yuṣmabhyam, vaḥ</i>	<i>tebhyaḥ</i>		<i>tābhyaḥ</i>	<i>ebhyaḥ</i>		<i>ābhyaḥ</i>	<i>amībhyaḥ</i>		<i>amūbhyaḥ</i>	Dat	
	Abl	<i>asmat</i>	<i>yuṣmat</i>	<i>tebhyaḥ</i>		<i>tābhyaḥ</i>	<i>ebhyaḥ</i>		<i>ābhyaḥ</i>	<i>amībhyaḥ</i>		<i>amūbhyaḥ</i>	Abl	
	Gen	<i>asmākam, naḥ</i>	<i>yuṣmākam, vaḥ</i>	<i>teṣām</i>		<i>tāsām</i>	<i>eṣām</i>		<i>āsām</i>	<i>amīṣām</i>		<i>amūṣām</i>	Gen	
	Loc	<i>asmāsu</i>	<i>yuṣmāsu</i>	<i>teṣu</i>		<i>tāsu</i>	<i>eṣu</i>		<i>āsu</i>	<i>amīṣu</i>		<i>amūṣu</i>	Loc	

mat-, *tvat*:- Forms after comma are enclitic; *mat*:- enclitic form of ACCDATGEN DU: *nau*; *tvat*:- enclitic of ACCDATGEN Du: *vām*.

LIST OF PARADIGMS: 3) VERBS

		Primary		Secondary		Imperative	
		Active	Middle	Active	Middle	Active	Middle
Sg	1 st	-mi	-e	-(a)m	-i/-(y)a	-āṇi	-ai
	2 nd	-si	-se	-ḥ	-thāḥ	-ø/-(d)hi	-sva
	3 rd	-ti	-te	-t	-ta	-tu	-tām
Du	1 st	-vaḥ	-vahe	-va	-vahi	-āva	-āvahai
	2 nd	-thaḥ	-(e/ā)the	-tam	-(e/ā)thām	-tam	-(e/ā)thām
	3 rd	-taḥ	-(e/ā)te	-tām	-(e/ā)tām	-tām	-(e/ā)tām
Pl	1 st	-maḥ	-mahe	-ma	-mahi	-āma	-āmahai
	2 nd	-tha	-dhve	-ta	-dhvam	-ta	-dhvam
	3 rd	-(a)nti	-(a)nte	-an/-uḥ	-(a)nta/-ran	-(a)ntu	-(a)ntām

The Endings of the Present System

Note: The forms of the 1st DU and the 1st PL are always identical except for the DU ending having a -v- where the PL ending has an -m-.

PRESENT AND IMPERFECT

The 10 Classes of Verbal Stems:

- a) Thematic (4, 7):
- I: Root in *guṇa*, add -a-
Examples: \sqrt{ni} 'to lead': *nayati*, \sqrt{bhr} 'to carry': *bharati*.
 - IV: Root in zero grade, add -ya-
Example: $\sqrt{hr̥ṣ}$ 'to be excited': *hr̥ṣyati*.
 - VI: Root in zero grade, add -a-
Example: $\sqrt{viś}$ 'to enter': *viśati*.
 - X: Root in various grades (usually a heavy syllable), add -aya-
Example: \sqrt{cur} 'to steal': *corayati*.

Example Thematic Paradigm: \sqrt{bhr} (I) 'to carry'

		Present		Imperfect		Potential		Imperative	
		Active	Middle	Active	Middle	Active	Middle	Active	Middle
Sg	1 st	<i>bharāmi</i>	<i>bhare</i>	<i>abharam</i>	<i>abhare</i>	<i>bhareyam</i>	<i>bhareya</i>	<i>bharāṇi</i>	<i>bharai</i>
	2 nd	<i>bharasi</i>	<i>bharase</i>	<i>abharah</i>	<i>abharathāḥ</i>	<i>bhareḥ</i>	<i>bharethāḥ</i>	<i>bhara</i>	<i>bharasva</i>
	3 rd	<i>bharati</i>	<i>bharate</i>	<i>abharat</i>	<i>abharata</i>	<i>bharet</i>	<i>bhareta</i>	<i>bharatu</i>	<i>bharatām</i>
Du	1 st	<i>bharāvaḥ</i>	<i>bharāvahe</i>	<i>abharāva</i>	<i>abharāvahi</i>	<i>bhareva</i>	<i>bharevahi</i>	<i>bharāva</i>	<i>bharāvahai</i>
	2 nd	<i>bharathaḥ</i>	<i>bharethe</i>	<i>abharatam</i>	<i>abharethām</i>	<i>bharetam</i>	<i>bhareyāthām</i>	<i>bharatam</i>	<i>bharethām</i>
	3 rd	<i>bharataḥ</i>	<i>bharete</i>	<i>abharatām</i>	<i>abharetām</i>	<i>bharetām</i>	<i>bhareyātām</i>	<i>bharatām</i>	<i>bharetām</i>
Pl	1 st	<i>bharāmaḥ</i>	<i>bharāmahe</i>	<i>abharāma</i>	<i>abharāmahi</i>	<i>bharema</i>	<i>bharemahi</i>	<i>bharāma</i>	<i>bharāmahai</i>
	2 nd	<i>bharatha</i>	<i>bharadhve</i>	<i>abharata</i>	<i>abharadhvam</i>	<i>bhareta</i>	<i>bharedhvam</i>	<i>bharata</i>	<i>bharadhvam</i>
	3 rd	<i>bharanti</i>	<i>bharante</i>	<i>abharan</i>	<i>abharanta</i>	<i>bhareyuḥ</i>	<i>bhareran</i>	<i>bharantu</i>	<i>bharantām</i>

b) Athematic (18, 19):

Strong stem (usually *guṇa*) in Pres and Impf Act Sg (+ Impv of all 1st persons Act and Mid and 3rd Sg Act); **weak stem** (zero grade) everywhere else.

In **Class II** verbs, endings are added directly to the root, which stands in *guṇa* (strong) or zero grade (weak). **No** additional **affixes** are used.

Example: \sqrt{i} 'to go': 1st Sg *emi* 'I go', 1st Pl *imaḥ* 'we go'.

In **Class III** verbs, the root is **reduplicated** (see below on reduplication). No other affixes are added. The root stands in *guṇa* (strong) or zero grade (weak).

Example: \sqrt{hu} 'sacrifice': 1st Sg *juhomi*, 1st Pl *juhumaḥ*.

Class V roots add the suffix **-no-** (strong)/**-nu-** (weak).

Example: $\sqrt{āp}$ 'obtain, get': 1st Sg *āpnomi*, 1st Pl *āpnumaḥ*.

Class VII roots add **-na-/-n-** as an infix **into** the verbal root, directly before the root-final consonant.

Example: \sqrt{rudh} 'to hinder': 1st Sg *ruṇadhmi*, 1st Pl *rundhmaḥ*.

Class VIII roots add strong **-o-**/weak **-u-**.

Example: \sqrt{tan} 'to stretch': 1st Sg *tanomi*, 1st Pl *tanumaḥ*.

(As most of the few existing Class VIII roots end in **-n**, they effectively look identical to Class V verbs.)

Class IX roots add the suffix **-nā-** in the strong forms, **-nī-** in weak forms whose endings begin with a consonant, and **-n-** in weak forms whose endings begin with a vowel (i.e. in the 3rd Pl).

Example: $\sqrt{krī}$ 'to buy': 1st Sg *krīṇāmi*, 1st Pl *krīṇīmaḥ*, 3rd Pl *krīṇanti*.

Nothing's added in Class Two.
 Reduplicate Three: *juho-/juhu-*.
 In Class Five add a *no* and a *nu*.
 In Class Eight it's just *o* and a *u*.
na and *n* are added into
 Class Seven. Class Nine, last of the crew,
 adds *nā/nī/n*, and that should do.

		II	III	V	VII	VIII	IX	
		√ <i>i</i>	√ <i>hu</i>	√ <i>āp</i>	√ <i>vr</i>	√ <i>rudh</i>	√ <i>krī</i>	
Sg	1 st	<i>emi</i>	<i>juhomi</i>	<i>āpnomi</i>	<i>vr̥nomi</i>	<i>runadhmi</i>	<i>tanomi</i>	<i>krīṇāmi</i>
	2 nd	<i>eṣi</i>	<i>juhoṣi</i>	<i>āpnoṣi</i>	<i>vr̥noṣi</i>	<i>runatsi</i>	<i>tanoṣi</i>	<i>krīṇāsi</i>
	3 rd	<i>eti</i>	<i>juhoti</i>	<i>āpnoti</i>	<i>vr̥noti</i>	<i>runaddhi</i>	<i>tanoti</i>	<i>krīṇāti</i>
Du	1 st	<i>ivaḥ</i>	<i>juhuvah</i>	<i>āpnuvah</i>	<i>vr̥n(u)vaḥ</i>	<i>rundhvaḥ</i>	<i>tan(u)vaḥ</i>	<i>krīṇīvah</i>
	2 nd	<i>ithaḥ</i>	<i>juhuthaḥ</i>	<i>āpnuthaḥ</i>	<i>vr̥nuthaḥ</i>	<i>runddhaḥ</i>	<i>tanuthaḥ</i>	<i>krīṇīthaḥ</i>
	3 rd	<i>itaḥ</i>	<i>juhutaḥ</i>	<i>āpnutaḥ</i>	<i>vr̥nutaḥ</i>	<i>runddhaḥ</i>	<i>tanutaḥ</i>	<i>krīṇītaḥ</i>
Pl	1 st	<i>imaḥ</i>	<i>juhumaḥ</i>	<i>āpnumaḥ</i>	<i>vr̥n(u)maḥ</i>	<i>rundhmaḥ</i>	<i>tan(u)maḥ</i>	<i>krīṇīmaḥ</i>
	2 nd	<i>itha</i>	<i>juhutha</i>	<i>āpnutha</i>	<i>vr̥nutha</i>	<i>runddha</i>	<i>tanutha</i>	<i>krīṇītha</i>
	3 rd	<i>yanti</i>	<i>juhvati</i>	<i>āpnuvanti</i>	<i>vr̥nvanti</i>	<i>rundhanti</i>	<i>tanvanti</i>	<i>krīṇanti</i>

Active Potential: weak stem + <i>yā</i> + active secondary endings								
Sg	1 st	<i>īyām</i>	<i>juhuyām</i>	<i>āpnuyām</i>	<i>vr̥nuyām</i>	<i>rundhyām</i>	<i>tanuyām</i>	<i>krīṇīyām</i>
Middle Potential: weak stem + <i>i</i> + middle secondary endings								
Sg	1 st	<i>dviṣīya</i>	<i>juhviya</i>	<i>apnuviya</i>	<i>vr̥nviya</i>	<i>rundhiya</i>	<i>tanviya</i>	<i>krīṇīya</i>

Example Athematic Paradigm: √*hu* (III) 'to pour, to sacrifice'

		Present		Imperfect		Potential		Imperative	
		Active	Middle	Active	Middle	Active	Middle	Active	Middle
Sg	1 st	<i>juhomi</i>	<i>juhve</i>	<i>ajuhavam</i>	<i>ajuhvi</i>	<i>juhuyām</i>	<i>juhviya</i>	<i>juhavāni</i>	<i>juhavai</i>
	2 nd	<i>juhoṣi</i>	<i>juhuṣe</i>	<i>ajuhoh</i>	<i>ajuhuthāḥ</i>	<i>juhuyāḥ</i>	<i>juhviṭhāḥ</i>	<i>juhudhi</i>	<i>juhuṣva</i>
	3 rd	<i>juhoti</i>	<i>juhute</i>	<i>ajuhot</i>	<i>ajuhuta</i>	<i>juhuyāt</i>	<i>juhvīta</i>	<i>juhotu</i>	<i>juhutām</i>
Du	1 st	<i>juhuvah</i>	<i>juhuvahē</i>	<i>ajuhuva</i>	<i>ajuhuvahi</i>	<i>juhuyāva</i>	<i>juhviṭvahi</i>	<i>juhavāva</i>	<i>juhavāvahai</i>
	2 nd	<i>juhuthaḥ</i>	<i>juhvāthe</i>	<i>ajuhutam</i>	<i>ajuhvāthām</i>	<i>juhuyātam</i>	<i>juhviyāthām</i>	<i>juhutam</i>	<i>juhvāthām</i>
	3 rd	<i>juhutaḥ</i>	<i>juhvāte</i>	<i>ajuhutām</i>	<i>ajuhvātām</i>	<i>juhuyātām</i>	<i>juhviyātām</i>	<i>juhutām</i>	<i>juhvātām</i>
Pl	1 st	<i>juhumaḥ</i>	<i>juhumahe</i>	<i>ajuhuma</i>	<i>ajuhumahi</i>	<i>juhuyāma</i>	<i>juhvimahi</i>	<i>juhavāma</i>	<i>juhavāmahai</i>
	2 nd	<i>juhutha</i>	<i>juhudhve</i>	<i>ajuhuta</i>	<i>ajuhudhvam</i>	<i>juhuyāta</i>	<i>juhvidhvam</i>	<i>juhuta</i>	<i>juhudhvam</i>
	3 rd	<i>juhvati</i>	<i>juhvate</i>	<i>ajuhuvuḥ</i>	<i>ajuhvata</i>	<i>juhuyuḥ</i>	<i>juhviran</i>	<i>juhvatu</i>	<i>juhvatām</i>

Example Athematic Paradigm: √śak (V) ‘to be strong, to be able to’

		Present		Imperfect		Potential		Imperative	
		Active	Middle	Active	Middle	Active	Middle	Active	Middle
Sg	1 st	śaknomi	śaknuve	aśaknavam	aśaknuvi	śaknuyām	śaknuvīya	śaknavāni	śaknavai
	2 nd	śaknoṣi	śaknuṣe	aśaknoḥ	aśaknuthāḥ	śaknuyāḥ	śaknuvīthāḥ	śaknu	śaknuṣva
	3 rd	śaknoti	śaknute	aśaknot	aśaknuta	śaknuyāt	śaknuvīta	śaknotu	śaknutām
Du	1 st	śaknuvaḥ	śaknuvahe	aśaknuva	aśaknuvahi	śaknuyāva	śaknuvīvahi	śaknavāva	śaknavāvahai
	2 nd	śaknuthaḥ	śaknuvāthe	aśaknutam	aśaknuvāthām	śaknuyātam	śaknuvīyāthām	śaknutam	śaknuvāthām
	3 rd	śaknutaḥ	śaknuvāte	aśaknutām	aśaknuvātām	śaknuyātām	śaknuvīyātām	śaknutām	śaknuvātām
Pl	1 st	śaknumaḥ	śaknumahe	aśaknuma	aśaknumahi	śaknuyāma	śaknuvīmahi	śaknavāma	śaknavāmahai
	2 nd	śaknutha	śaknudhve	aśaknuta	aśaknudhvam	śaknuyāta	śaknuvīdhvam	śaknuta	śaknudhvam
	3 rd	śaknuvanti	śaknuvate	aśaknuvan	aśaknuvata	śaknuyuḥ	śaknuvīran	śaknuvantu	śaknuvatām

Notes:

All Athematic Classes: 3rd PL PRES ACT -*anti*, 1st SG IMPF ACT -*am*: the presence of this -*a*- prevents certain sandhi and keeps these endings recognisable. – 2nd+ 3rd DU in IMPF and IMPV middle: -*āthām*/-*ātām* with long -*ā*- (thematic: -*ethām*/-*etām*). – Relevant **internal sandhi**: Chapter 18. – Cf. Chapter 19 for a list of noteworthy and exceptional paradigms.

Class III: 3rd PL PRES ACT: -*ati* rather than -*anti*. – 3rd PL IMPF ACT: -*uḥ* rather than -*an*.

Class V: In 1st DU and PL, both -*nvah*/-*nuvah* and -*nmah*/-*numah* are possible unless a stop precedes (and thus only -*nuvah*/-*numah* are pronounceable). – Class V roots ending in a consonant have 2nd SG IMPV in -*hi* (as other athematic verbs); Class V roots ending in a vowel use the weak stem for this form (as thematic verbs do; cf. e.g. √*vṛ* → *vṛṇu* ‘cover!’).

THE PERFECT (27, 28)

The perfect has its own set of endings, which are added to the strong reduplicated stem in the active singular, and the weak reduplicated stem elsewhere.

	Active			Middle		
	Sg	Du	Pl	Sg	Du	Pl
1 st	-a	-(i)va	-(i)ma	-e	-(i)vahe	-(i)mahe
2 nd	-(i)tha	-athuḥ	-a	-(i)ṣe	-āthe	-(i)dhve
3 rd	-a	-atuḥ	-uḥ	-e	-āte	-ire
Exception: verbal roots in -ā have -au as 1 st + 3 rd Sg Act ending.						

(i)'s in brackets are present when a consonant precedes, absent if a vowel precedes (sometimes absent in 2nd Sg Act even if a consonant precedes).

Perfect Reduplication: Vowel reduplicated by its short counterpart; consonant reduplicated identically, except: aspirated → unaspirated; velar → palatal (incl. *h* → *j*); clusters: only first consonant; except if *s* + stop → only stop. (See Chapter 27 for details.)

Below: Perfect paradigms exemplifying various formal features of the perfect.

	√viś 'enter' (1)	√iṣ 'want' (2)	√vac 'speak' (3)	√gam 'go' (4)	√tap 'be hot' (5)	√dhā 'put' (6)	√bhū 'be' (7)		
Sg	1 st	viveśa	viviṣe	iyeṣa	uvaca/uvāca	jagama/jagāma	tatapa, tatāpa	dadhau	babhūva
	2 nd	viveśitha	viviṣiṣe	iyeṣitha	uvacitha	jagantha/jagamitha	tataptha, tepitha	dadhātha, dadhitha	babhūvitha
	3 rd	viveśa	viviṣe	iyeṣa	uvāca	jagāma	tatāpa	dadhau	babhūva
Du	1 st	viviśiva	viviśivahe	iṣiva	ūciva	jagmiva	tepiva	dadhiva	babhūviva
	2 nd	viviśathuḥ	viviśāthe	iṣathuḥ	ūcathuḥ	jagmathuḥ	tepathuḥ	dadhathuḥ	babhūvathuḥ
	3 rd	viviśatuḥ	viviśāte	iṣatuḥ	ūcatuḥ	jagmatuḥ	tepatuḥ	dadhatuḥ	babhūvatuḥ
Pl	1 st	viviśima	viviśimahe	iṣima	ūcima	jagmima	tepima	dadhima	babhūvima
	2 nd	viviśa	viviśidhve	iṣa	ūca	jagma	tepa	dadha	babhūva
	3 rd	viviśuḥ	viviśire	iṣuḥ	ūcuḥ	jagmuḥ	tepuḥ	dadhuḥ	babhūvuḥ

- (1) Regular paradigm in active and middle.
- (2) Vowel-initial root: reduplication of initial vowel only, insertion of glide in strong stem, long initial vowel in weak stem.
- (3) Same as in 2, but of a root cited in *guṇa*.
- (4) Verb with -a- + only one consonant in *guṇa*: vṛddhi of root used in 3rd Sg and potentially 1st Sg.
- (5) Root with -a- and identically reduplicating consonant: alternative weak stem (no reduplication, *a* > *e*).
- (6) Alternative endings due to stem-final -ā.
- (7) Frequently used paradigm with irregular reduplicative vowel and without stem gradation (stem = *babhūv-* throughout).

→ See Chapter 34 on the periphrastic perfect of derived verbs and verbal roots with a long initial vowel.

OTHER PARTS OF THE VERB:

Passive Voice (21): The present tense forms its passive voice by combining **the weak root + -ya- + middle endings**. Root-final vowels change: *i, u > ī, ū; ā > ī, ṛ > ri* (after more than one consonant: *ar*); $\bar{r} > \bar{ir}$, after labials \bar{ur} .
Examples: \sqrt{yaj} 'to sacrifice' → *ijye, ijyase, ijyate* etc.; $\sqrt{dā}$ 'to give' → *dīyate*; $\sqrt{tṛ}$ 'to cross' → *tīryate*
In all other tenses, the passive is formally identical to the middle. Context helps us tell the two apart.

Future Tense (21): **-sya- or -īṣya- are added to the root in guṇa**. Internal sandhi before *s*: devoicing, deaspiration; palatals > velars; *s > ḥ; ś, ṣ > k*.
Examples: \sqrt{gam} 'to go': *gaṃsyati* or *gaṃīṣyati*, $\sqrt{dṛś}$ 'to see': *drakṣyati*

Periphrastic Future (29): An alternative future is formed by **adding the forms of \sqrt{as} 'to be' to an agent noun in the Nom Sg**. The 3rd-person forms use an agent noun in the respective number without a form of \sqrt{as} .
Example: \sqrt{ni} 'to lead': *netāsmi* 'I will lead', *netāsi, netā – netāsvaḥ, netāsthaḥ, netārau – netāsmāḥ, netāstha, netārāḥ*.

Periphrastic Perfect (33): Roots not clearly recognisable in the regular perfect (e.g. **causatives**, and by extension also Class X roots), and roots in which a regular reduplication is not recognisable as such (i.e. **roots with initial long vowels**) form an alternative perfect by taking the present stem, adding *-ām* and a perfect form of 'to be' (*āsa, babhūva*) or the perfect active or middle of \sqrt{kr} (*cakāra, cakre*).
Examples: \sqrt{bhr} 'to carry' → causative *bhārayati* 'he causes to carry' → periphrastic perfect *bharayām āsa* 'he caused to carry'
 $\sqrt{ās}$ 'to sit' → *ās-ām āsa* 'he sat', *āsāṃ cakrire* 'they sat'.

Aorist (38): See Chapter for forms.

SECONDARY FORMATIONS

Causative (7): Adding *-aya-* to a verbal root outside of Class X strengthened to at least guṇa creates the meaning of 'to cause someone to do something.'
Examples: \sqrt{ni} 'to lead' → (I) *nayati* 'leads' → *nāyayati* 'causes to lead'; $\sqrt{dṛś}$ 'to see' → *darṣayati* 'causes to see, shows'

Desiderative (34): Adding *-sa-* or *-īṣa-* to a reduplicated root creates the meaning of 'to want to do x'. Before *-sa-*, the root usually stands in zero grade; before *-īṣa-* usually in guṇa. Consonants are reduplicated as usual (see below), vowels as follows: *u/ū* reduplicates as *u*, everything else as *i*.
Examples: \sqrt{yudh} 'to fight' → *yuyutsate* 'wants to fight'; $\sqrt{pā}$ 'to drink' → *pipāsati* 'wants to drink'; NB $\sqrt{āp}$ 'to get' → *īpsati* 'wants to get' or simply 'wants'.

NOMINAL FORMATIONS FROM VERBS

(For sandhi before *t*, see relevant section of Internal Sandhi above.)

Participles:

Present Active (25): *-(a)nt/- (a)t-* added to present stem (athematic: weak stem). Class III: only *-at-*.

Examples: \sqrt{ni} → *nayant-* ‘leading’; $\sqrt{dhā}$ → *dadhat-* ‘giving’.

Present Middle (22): Thematic *-māna-*, athematic *-āna-* added to present stem (athematic: weak stem).

Examples: \sqrt{yudh} → *yudhyamāna-* ‘fighting’; \sqrt{yuj} → *yuñjāna-* ‘linking’; but NB $\sqrt{ās}$ → *āsīna-* ‘sitting’.

Future participles (25): Formed from future stem with same suffixes as present participles.

Examples: Act \sqrt{gam} → *gamiṣyant-* ‘about to go’; Mid/Pass \sqrt{yudh} → *yotsyamāna-* ‘about to fight/be fought’.

Perfect Active (35): *-vāms/-vad-* (weak before cons.)/*-uṣ-* (weak before vowel) added to weak perfect stem.

Examples: \sqrt{tud} → *tutudvat-* ‘having struck’; note \sqrt{vid} → *vidvat-* ‘knowing’ (without reduplication).

Perfect Middle: *-āna-* added to the weak perfect stem.

Examples: $\sqrt{kṛ}$ → *cakrāna-* ‘having done’; \sqrt{vip} → *vepāna-* ‘shaking, trembling’.

ta/na-Participle (8, 34): *-ta-* added to zero-grade root. Meaning: usually past; passive whenever possible, otherwise active.

Examples: \sqrt{han} → *hata-* ‘having been killed’; \sqrt{gam} → *gata-* ‘having gone’.

A small number of roots (usually ending in *-d* or a vowel) use *-na-* rather than *-ta-* (34).

Examples: \sqrt{sad} → *sanna-* ‘seated’; $\sqrt{tṛ}$ → *tīrṇa-* ‘having crossed’.

tavant-Participle (25): adds *-vant-* to *ta-* participle, declined like *vant-/mant-* stems. Past active meaning.

Example: \sqrt{likh} → *likhitavant-* ‘having written’.

Feminines in -ī formed of the following: Pres Act Ptc (strong stem of thematic, weak stem of athematic verbs (e.g. *nayantī-/dadhatī-*);

weak (prevocalic) stem of Perf Act Ptc (e.g. *viduṣī-*); weak stem of *tavant-* participle (e.g. *likhitavati-*).

Absolutive (8): Adding *-tvā* (compound verbs: *-tya* after short vowels, *-ya* elsewhere) to the root in zero grade results in the meaning of ‘having done x’. Indeclinable.

Examples: *kṛtvā* ‘having done’; *gatvā* ‘having gone’; *apagamyā* or *apagatyā* ‘having gone away’; *uktvā* ‘having said’ (\sqrt{vac}).

Gerundive (34): Root in various grades plus *-(t)ya-*, root in guṇa plus *-tavya-* or *-anīya-*, plus case ending. Meaning: passive necessity.

Examples: $\sqrt{kṛ}$ → *kartavya-* ‘having to be done’; $\sqrt{śru}$ → *śrutya-* ‘having to be heard’.

Infinitive (8): Adding *-tum* to the root in guṇa results in the meaning ‘to do x’. Infinitives are usually used after verbs such as ‘to want, to wish (to do something)’ etc.

Examples: \sqrt{bhr} → *bhartum* ‘to carry’; \sqrt{ni} → *netum* ‘to lead’; $\sqrt{dṛś}$ → *draṣṭum* ‘to see’.

PREVERBS:

<i>ati-</i> ‘across, over, beyond’	<i>abhi-</i> ‘to, against’	<i>nis-</i> ‘out’ (sandhi forms: <i>niḥ-</i> , <i>nir-</i> , <i>niṣ-</i>)
<i>adhi-</i> ‘above, over, on, on to’	<i>ava-</i> ‘down, off’	<i>pari-</i> ‘around’
<i>anu-</i> ‘after, along, toward’	<i>ā-</i> ‘to, hither’	<i>pra-</i> ‘forward’
<i>antar-</i> ‘between, among, within’	<i>ud-</i> ‘up, out’	<i>prati-</i> ‘towards; against; back’
<i>apa-</i> ‘away, off’	<i>upa-</i> ‘to, toward’	<i>vi-</i> ‘apart, away, out’
<i>api-</i> ‘onto, close to’	<i>ni-</i> ‘down, into’	<i>sam-</i> ‘along, with, together’

REDUPLICATION

Reduplication is found in Class III verbs (Chapter 18), the perfect tense (Chapter 27), desiderative verbs (Chapter 34), and in a small number of present tense stems (e.g. $\sqrt{sthā}$, $\sqrt{pā}$). Reduplicating a root means taking the first consonant and first vowel and adding them to the front of that root: of $\sqrt{takṣ}$ ‘to construct, fashion’, for example, the reduplicated form is *ta-takṣ-*. Both consonants and vowels do not always reduplicate identically. The rules for consonant reduplication are the same wherever reduplication occurs (a). The rules of vowel reduplication vary (b).

a) Consonants

Aspirated consonants are reduplicated without the aspiration: $\sqrt{dhā}$ ‘to put’ → *da-dhā-*.

Velar consonants are reduplicated as palatals: $\sqrt{kṛ}$ ‘do’ → *ca-kṛ-*.

h, frequently representing original **gh*, is reduplicated as *j*: \sqrt{hu} ‘sacrifice, pour’ → *ju-hu-*.

In **consonant clusters**, only the first consonant is repeated: \sqrt{kram} ‘to stride’ → *ca-kram-* (with palatal instead of velar). Exception: If the cluster consists of *s* plus stop, it is only the stop that is repeated. ($\sqrt{sthā}$ ‘to stand’ → *ti-ṣṭha-* (with retroflex -ṣṭ- according to *ruki*)).

b) Vowels:

Class III: Short vowels are reduplicated identically; long vowels with their short counterpart: $\sqrt{dā}$ ‘to give’ → reduplicated *da-dā-*.

Perfect: Roots that contain *i/ī* or *u/ū* have *-i-* or *-u-* as their reduplicative vowel, respectively: $\sqrt{śru}$ → *śu-śru-*, $\sqrt{kṣip}$ → *ci-kṣip-*. In all other cases, the reduplicative vowel is *-a-*:

$\sqrt{kṛ}$ → *ca-kṛ-*; $\sqrt{dā}$ → *da-dā-*. Irregular: $\sqrt{bhū}$ → *ba-bhū-*

Desideratives: *u/ū* reduplicates as *u*, everything else as *i*: \sqrt{yudh} ‘to fight’: *yu-yut-sa-te*; $\sqrt{pā}$ ‘to drink’ → *pi-pā-sa-ti*.