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I picked up Professor Madhav Deshpande's book in November 2020. These are my notes from his book. While studying from his book, I also explored a variety of resources available on the WWW. These notes rely heavily on those wonderful resources.

### 1 Introduction

The book begins with an overview of Sanskrit that we shall cover below. It touches upon the language's history and evolution, writing system, sounds, grammar, and syntax.

#### 1.1 Grammar

Sanskrit ( संस्कृतम् ), like Greek and Latin, is an *inflected* language. This means it shows *alteration in form especially by adding affixes*. The bulk of grammatical information is carried by morphology (i.e. the rules for forming admissible words).

A morpheme which is the minimal meaningful language unit, is of one of these types:

- 1. nominal stem (adjectives, pronouns, and indeclinables( अव्ययम् ))
  - primary
  - secondary
    - derived from other nominals via affixation (e.g. कुरु + अ = कौरव, नर + त्व
       = नरत्व)
    - derived from verbal roots via affixation (e.g.) गम् + अन = गमन, कृ + तृ = कर्त्र)
    - compounds (e.g. नर + पति = नरपति, चक्र + पाणि = चक्रपाणि)
- 2. verbal root (धातुः)
  - primary
  - secondary
- 3. indeclinables (अव्ययम्)
  - particles (e.g. उपरि)
  - pre-positions (e.g. अधि, परि, अन्)
  - post-positions

- adverbs (e.g. सततम्)
- connectives (e.g. च, वा)
- (occasionally) nouns

The nominal stem is characterized by gender as an *intrinsic property* and it is grammatical, usually unrelated to semantics (though the living beings are usually masculine or feminine). There are three genders:

- · masculine,
- · feminine, and
- neuter

Between masculine and feminine, the former is *generic*, meaning it takes precedence. For pronouns, neuter is the most generic.

Declension of nouns (as we shall later see, declension serves the same purpose that prepositions serve in English) is affected by several factors such as their

- gender (masculine, feminine, neuter),
- final sound or sounds of the stem (e.g. अकारान्त, न्-कारान्त),
- number (singular, dual, and plural), and
- case (प्रथमा : nominative I, द्वितीया : accusative II, तृतीया : instrumental III, चतुर्थी : dative IV, पञ्चमी : ablative V, षष्ठी : genitive VI, सप्तमी : locative VII, सम्बोधनम् : vocative VIII). The following list may help describe the usual purpose of cases:
  - 1. nominative serving as or indicating the subject of the verb (कर्ता)
  - 2. accusative serving as or indicating the (direct) object of the verb ( कर्म)
  - 3. instrumental serving or acting as a means or aid (साधन, करण)
  - 4. dative serving as the *(indirect) object* or the recipient (beneficiary) of the action of the verb ( सम्प्रदानम् )
  - 5. ablative indicating the *source or separation* of the agent, instrument, or location (अपादानम्)
  - 6. genitive expressing ownership (–)
  - 7. locative designating the *place or state or action* denoted by the verb ( अधिकरणम् )
  - 8. vocative identifying the person being addressed (सम्बोधनम्)

Here is the declension of a masculine अकारान्त word देव :

The verbal system is more complex and in the vedic system it is even more so [than the classical system]. The book describes complexities of the vedic verbal system and mentions that classical verbal system gradually got rid of a lot of constructs from the former.

Here is an overview of the complexities of the grammar of the vedic language:

Singular (एकवचनम्)	Dual (द्विवचनम्)	Plural (बहुवचनम्)	
देवः	देवौ	देवाः	प्रथमा
देवं (देवम्)	देवौ	देवान्	द्वितीया
देवेन	देवाभ्यां (देवाभ्याम्)	देवैः	तृतीया
देवाय	देवाभ्यां (देवाभ्याम्)	देवेभ्यः	चतुर्थी
देवात्	देवाभ्यां (देवाभ्याम्)	देवेभ्यः	पञ्चमी
देवस्य	देवयोः	देवानां (देवानाम्)	षष्ठी
देवे	देवयोः	देवेषु	सप्तमी
हे देव	हे देवौ	हे देवाः	सम्बोधनम्

- 1. Verb roots ( धातवः ) are generally of two types: athematic and thematic.
  - (a) Athematic: Variable accent<sup>1</sup> and variable stem to which *terminations are directly attached* (e.g. अस् + ति = अस्ति)
  - (b) Thematic: Invariable accent and invariable stem followed by the thematic vowel अ before the termination (e.g. बुध् + अ + ति = बोधित ). This helps make various verb forms more regular as the complex interactions between the root-final consonant and suffix-initial vowel are prevented by the intervening अ .
- 2. A verb has a single *root*, however, in Vedic Samskritam it may have many *stems*<sup>2</sup>. Consider the following forms (root, stem, affixes) with respect to a single verbal root गम् which means "to go". Forms depend upon *voice*, *number*, and *person* of the *agent* (कर्ता), but for brevity, we show the form only<sup>3</sup> for the singular (एकवचनम्), active (कर्तरि) voice, and third person (प्रथम पुरुषः):
  - (a) Tenses:
    - i. Present (लट् गच्छति)
    - ii. Aorist<sup>4</sup> (expressing action (especially past action) without indicating its completion or continuation) (लुङ् अगमत्)
    - iii. Imperfect Past (लङ् अगच्छत्)
    - iv. Perfect (लिट् जगाम)
    - v. Future (ल्लूट् गमिष्यति)
  - (b) Moods:
    - i. Indicative (simple declarations) (लट् गच्छति)
    - ii. Injunctive (could indicate intention) (जिगमत्)
    - iii. Subjunctive (typically used to express various states of reality such as wish, emotion, judgment etc.)
    - iv. Optative (wish, request, or command) ( गच्छेत् )

<sup>&</sup>lt;sup>1</sup>Accent or Stress in linguistics is the relative emphasis or prominence given to a certain syllable (unit of speech sounds) in a word or to a certain word in a phrase or sentence

<sup>&</sup>lt;sup>2</sup>A stem is that part of a word that inflectional affixes attach to

<sup>&</sup>lt;sup>3</sup>See here for a programmatic interface to all the forms of गम्

<sup>&</sup>lt;sup>4</sup>There are several aorist tense forms in Samskritam

- v. Imperative (command or request) ( गच्छतु )
- (c) Meanings of the present tense stems:
  - i. Indicative (simple declarations)( लटू गच्छति )
  - ii. Intensive (denotes stronger, more forceful, or more concentrated action relative to the root on which the intensive is built) ( जङ्गम्यते )
- (d) Participle forms indicating tenses and voices (these forms depend on the gender of the nominal they modify):
  - i. Past Passive (गत, गता)
  - ii. Past Active (गतवत्, गतवती)
  - iii. Present Active (गच्छत्, गच्छन्ती)
  - iv. Present Middle (गच्छमान, गच्छमाना)
  - v. Present Passive(गम्यमान, गम्यमाना)
  - vi. ...
- 3. Verb conjugations could also be one of
  - (a) Primary
  - (b) Causative
  - (c) Intensive
  - (d) Desiderative (a verb formed from another and expressing a desire to do the act denoted by the root verb)
- 4. All of this clearly means that the number of derived forms was very large. See Table 6 for a more complete list of verb conjugations and related forms.

The verbal form complexity was greatly reduced in the classical language. The so-called लकाराः show a glimpse of a plethora of forms that a verbal root leads to:

The language evolved to favor nominal sentences over verbal sentences.

The most remarkable feature of the classical language is the *compounds* (especially their phenomenal length). Here is an example from Jayadeva's गीतगोविन्द :

The author believes that several changes occurred to the vedic Sanskrit that Panini grammarized. There was also the influence of local languages. In spite of that, because of Panini's efforts, the language established itself as an "elite language". In such evolution, the language's *surface forms*<sup>5</sup> were retained.

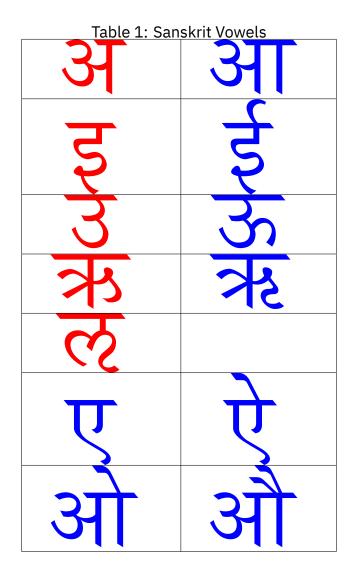
<sup>&</sup>lt;sup>5</sup>Surface form of a word is the form of a word as it appears in the text (e.g. "goes" is a surface form of the verb "go"). Contrast it with the <u>lexical form</u> which consists of things such as the root, the part of speech etc.

# 2 The संस्कृत Alphabet

### 2.1 Basics

### 2.1.1 Vowels (when not combined with consonants)

There are 13 vowels of which 5 are short (न्हस्व) and 8 are long (दीर्घ). Not combined with consonants, here they are:



In addition to these 13 *independent* vowels, there are two "add-on signs" that, like other vowels, conjugate with consonants:

- 1. ं अनुस्वारः
- 2. ः विसर्गः

One last vowel-like letter is "अवग्रह" which elongates the pronunciation of a preceding vowel: ऽ . The independent vowels conjugate with consonants and create "add-on signs" that we will see below.

There are 33 consonants and 2 special consonant clusters. The arrangement is according to the location and mechanism of sound production:

Table 3 shows the *phonetic analysis* of the Sanskrit Alphabet. In that table, 'Voice' feature refers to *sonorous vibration*, 'Asp' (aspiration) feature refers to a *rush of air*, and 'Nasal' refers to sound generation with the passage of air through nose (and not mouth<sup>6</sup>). If a feature is present, a '+' preceeds it (e.g. '+Voice' – generation of a sonorous vibration) and if a '-' preceeds it, that feature is absent (e.g. '-Asp' – no rush of air).

Table 3: Phonetic Analysis

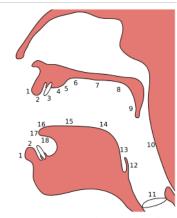
Places of Articulation	Stop -Voice -Asp	Stop -Voice +Asp	Stop +Voice -Asp	Stop +Voice +Asp	Stop +Voice -Asp +Nasal	Semi- vowels +Voice -Asp	Sibilants +Voice +Asp	Sibilants -Voice +Asp
कण्ठ्य	क	ख	ग	घ	ङ		ह	ः
मूर्धन्य	च	छ	ज	झ	ञ	य		श
						अनुनासिक य		
तालव्य	ਟ	ਰ	ड	ढ	ण	र		ष
दन्त्य	त	थ	द	ध	न	ਲ		स
						अनुनासिक ल		
ओष्ठ्य	प	দ	ब	भ	म	व		
						अनुनासिक व		

Figure 1 (taken from Wikipedia) shows the places where the sound is produced in its

<sup>&</sup>lt;sup>6</sup>Nearly all nasal consonants are nasal occlusives, in which air escapes through the nose but not through the mouth, as it is blocked (occluded) by the lips or tongue.

audible form<sup>7</sup>.

We have already seen the Sanskrit alphabet in Tables 1 and 2. In the written form, when one consonant conjugates with one vowel, we see an alternate representation. For example, when क combines with  $\xi$ , the resulting conjugate is written as कि and not क. $\xi$ .



Places of articulation (passive & active):
1. Exo-labial, 2. Endo-labial, 3. Dental, 4.
Alveolar, 5. Post-alveolar, 6. Pre-palatal, 7.
Palatal, 8. Velar, 9. Uvular, 10. Pharyngeal,
11. Glottal, 12. Epiglottal, 13. Radical, 14.
Postero-dorsal, 15. Antero-dorsal, 16.
Laminal, 17. Apical, 18. Sub-apical

Figure 1: Places of Articulation

These are collectively called the "add-on vowel signs" and they look like below (note that each of them has a Unicode codepoint which means that it is recognized as a distinct character in a writing system (in this case देवनागरी)). There is no add-on vowel sign for अ; when conjugated with अ, the consonant simply loses the विरामः – ्. Any consonant should conjugate with these add-ons, the Table 4 below uses 'त्' as an example.

Consonants combine with the vowels to form the conjugate forms as in Table 4. Thus, with another consonant, ग्, the forms will be written: ग, गा, गि, गी, गु, गू, गू, गू, गू, गे, गे, गो, गो, गो, गं, गः. There are few exceptions in writing these forms:

- $\xi + 3 = \xi$
- $\overline{z} + \overline{z} = \overline{z}$
- $\xi + \pi = \pi$
- र्
   + ऋ = ऋ
- $\xi + \pi = \xi$

When two or more consonants occur successively without any intervening vowels, they are written in a conjoined form:

<sup>&</sup>lt;sup>7</sup>Articulation means the aspect of pronunciation that involves bringing articulatory (speech) organs together so as to shape the sounds of speech.

Table 4: Add-on Vowel Signs with the consonant	'त'

Add-on sign codepoint (decimal)	Add-on sign	Its conjugation with ' त् '	Corresponding vowel
	_	त	अ
2366	ा	ता	आ
2367	ि	ति	इ
2368	ी	ती	फ फ 7
2369	ु	तु	3
2370	ू	तू	<u></u> 35
2371	ृ	तृ	来
2372	ृ	तृ	来
2402		त्रू	ल
2375	े	ते	ए
2376	ै	तै	ऐ
2379	ो	तो	ओ
2380	ौ	तौ	औ
2306	ं	तं	अं
2307	ः	तः	अः

- Horizontal cluster (read left  $\rightarrow$  right):  $\overrightarrow{ccc}$
- Vertical cluster (read top  $\rightarrow$  bottom):  $\begin{picture}(20,2) \put(0,0){\line(0,0){100}} \put(0,$

The rules for making consonant clusters depend (mostly) on whether the first consonant has a vertical line from top to bottom or a short central stem from which character is suspended:

- 1. In a horizontal cluster, the final vertical lines of all but the last consonant are dropped and then the remaining parts are joined together:  $\overline{q} + \overline{u} = \overline{\alpha}$ ,  $\overline{q} + \overline{q} + \overline{u} = \overline{\alpha}$ ,  $\overline{q} + \overline{q} + \overline{q} = \overline{\alpha}$ ,  $\overline{q} + \overline{q} = \overline{q}$ ,  $\overline{q} = \overline{q}$ ,  $\overline{q}$
- 2. Characters suspended from a central stem have several forms:  $\[ \[ \] \] \] = \[ \[ \] \] \] = \[ \[ \] \] \] = \[ \[ \] \] = \[ \] \] = \[ \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] \] = \[ \] = \[ \] \] = \[ \] = \[ \] \] = \[$
- 3. Other combinations are handled in various ways:  $\xi + u = \epsilon u$ ,  $\xi + u = \epsilon u$
- 4. Special forms: श् and र्
  - (a) For হা, alternate combining form may be used: ধ্র, প্ল, প্ল etc. or হা may be retained: হক, হন, হम etc. But with र it is always প্ল, never as হ.
  - (b)  $\overline{\zeta}$  has several combining forms.

- i. When र् is the second consonant:
  - A. First consonant has a vertical line:  $\Psi + \overline{\xi} = \overline{y}$ ,  $\overline{\Phi} + \overline{\xi} = \overline{y}$ ,  $\overline{\Phi} + \overline{\xi} = \overline{y}$ , but there are special forms:  $\overline{\chi} + \overline{\xi} = \overline{y}$ ,  $\overline{\Phi} + \overline{\xi} = \overline{y}$ .
  - B. First consonant has a central stem:  $\xi + \xi = \xi$ ,  $\xi + \xi = \xi$  etc. Note the exception:  $\xi + \xi = \xi$ .
- ii. When  $\xi$  is the first consonant: This gives rise to रेफः . Examples:  $\xi + \bar{a} = \bar{b}$ ,  $\xi + \bar{b} = \bar{b}$ .

Generally speaking, a document (like this one) with देवनागरी letters that has been typeset on a computer (or in a traditional printing press), the letters (especially the combined ones) are dictated by the *font* used. Thus, all of the above letters that you see are defined by the artist(s) who created the font. The देवनागरी letters in this document use a font named Shobhika( शोभिका) which is developed by the Indian Institute of Technology Bombay, Mumbai, India.

## A Verb Conjugation Names

Naming verb conjugations is typically challenging. We found a verb conjugation engine that is indeed very useful in this regard. Table 6 shows the देवनागरी names of various verb forms (including conjugations) and their corresponding English names.

The classical language misses some conjugations present in the vedic language.

<sup>&</sup>lt;sup>8</sup>Benediction: Indicating prayer or invoking divine protection

<sup>&</sup>lt;sup>9</sup>परस्मैपदी धातुः

<sup>&</sup>lt;sup>10</sup>आत्मनेपदी धातुः

Table 6: Names of Verb Conjugations

तिङन्ताः Conjugations अप्रत्यचन्तघातुः Primary Conjugation लंद (लकारः) Present (Tense) लंद (लकारः) Optative (Mood) लंद (लकारः) Imperfect (Past Tense) विधिलेङ् (लकारः) Optative (Mood) लंद (लकारः) Future (Mood) लंद (लकारः) Future (Tense) लंद (लकारः) Future (Tense) लंद (लकारः) Periphrastic (Future Tense) लंद (लकारः) Periphrastic (Future (Participle) लंद (प्रत्ययः) Past Passive (Participle) लंद (प्रत्ययः) Pruture Passive (Participle) लंद (प्रत्ययः) Future Passive (Participle) लंद (लद्धार्य (लक्डार्य (लक	देवनागरी नाम	Facility Manager
अप्रत्ययान्तधातुः लट् (लकारः) त्रह्ण (लकारः) विधिलेङ् (लकारः) (oparice) (op		English Name
लट् (लकारः) लड् (लकारः) लड् (लकारः) विधिलेङ् (लकारः) (लकारः) विधिलेङ् (लकारः)		
लड़ (लकारः) Imperfect (Past Tense) विधिलेड़ (लकारः) Optative (Mood) लोट (लकारः) Imperative (Mood) लेट (लकारः) ट्रिपाप्य (Tense) लेड़ (लकारः) ट्रिपाप्य (Tense) लेड् (लकारः) Periphrastic (Future Tense) लेड् (लकारः) Periphrastic (Future Tense) लेड् (लकारः) Perfect (Past Tense) लेड (एत्ययः) Past Active (Participle) लेड (एत्ययः) Past Active (Participle) लेड (एत्ययः) Present Active (Participle) लेड (एत्ययः) Present Passive (Participle) लेड (एत्ययः) Future Passive (Participle) लेड (एत्ययः) (एत्ययः) Future Passive (Participle) लेड (एत्यः) (एत्यः) Future Passive (Participle) लेड (एत्यः) (एत्यः) (एत्यः) Future Passive (Participle) लेड (एत्यः) (एत्यः		
विधिलिङ् (लकारः) Optative (Mood)		
लोट् (लकारः) Imperative (Mood)		Imperfect (Past Tense)
लुट् (लकारः) लुट् (लकारः) लुट् (लकारः) लुट् (लकारः) लुट् (लकारः) लुट् (लकारः) लिट् (लकारः) लिट (लक	विधिलिङ् (लकारः)	Optative (Mood)
लंड (लकारः) लंड (लकाः) लंड (लकारः) लंड (ल	लोट् (लकारः)	
लुँट् (लकारः) Periphrastic (Future Tense) लिंट् (लकारः) Perfect (Past Tense) लुङ् (लकारः) Aorist (Tense) आगमाभावयुक्तलुङ् (लकारः) Injunctive (Mood) आशिर्लिङ् (लकारः) Benedictive® (Mood) कृदन्तः (प्रत्ययः) Participle कत्र (प्रत्ययः) Past Passive (Participle) श्वाच् कर्मणि (प्रत्ययः) Present Active (Participle) शानच् कर्मणि (प्रत्ययः) Present Passive (Participle) शानच् कर्मणि (प्रत्ययः) Future Active (Participle) व्य (प्रत्ययः) Future Passive (Participle) अनीयर् (प्रत्ययः) Future Passive (Participle) अनीयर् (प्रत्ययः) Future Passive (Participle) अनीयर् (प्रत्ययः) Future Passive (Participle) लिंडादेश (लिट् + आदेश) पर (प्रत्ययः) Future Passive (Participle) लिंडादेश (लिट् + आदेश) पर (प्रत्ययः) Perfect Active (Participle) लिंडादेश (लिट् + आदेश) अत्माध्यः) Future Passive (Participle) लिंडादेश (लिट् + आदेश) अत्माध्यः) Absolutive (gerund) कत्वा (अव्ययः) Absolutive (gerund) लिंच् रूपाणि Causative Conjugation (repeat some of the above) यङ् रूपाणि Intensive Conjugation (repeat some of the above)		
लिट् (लकारः)	लृङ् (लकारः)	
लुङ् (लकारः) Aorist (Tense) आगमाभावयुक्तलुङ् (लकारः) Injunctive (Mood) आशिलिङ् (लकारः) Benedictive® (Mood) कृदन्तः (प्रत्ययः) Participle क (प्रत्ययः) Past Passive (Participle) क्वतं (प्रत्ययः) Present Active (Participle) शानच् कर्मणि (प्रत्ययः) Present Passive (Participle) लुडादेश (लुट् + आदेश) पर॰ (प्रत्ययः) Future Passive (Participle) वयं (प्रत्ययः) Future Passive (Participle) वयं (प्रत्ययः) Future Passive (Participle) अनीयर् (प्रत्ययः) Future Passive (Participle) व्यं (प्रत्ययः) Future Passive (Participle) लिङादेश (लिट् + आदेश) पर (प्रत्ययः) Future Passive (Participle) लिङादेश (लिट् + आदेश) पर (प्रत्ययः) Perfect Active (Participle) लिङादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle) लिङादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Perfect Active (Participle) लिङादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Infectinable तुमुन् (अव्ययः) Infectinable तुमुन् (अव्ययः) Absolutive (gerund) ल्या (अव्ययः) Absolutive (gerund) ल्या (अव्ययः) Absolutive (gerund) ल्या (अव्ययः) Absolutive (gerund) ल्या (अव्ययः) Absolutive (gerund) लिया (अव्ययः) Absolutive (gerund) Потच् रूपणि Causative Conjugation (repeat some of the above)		Periphrastic (Future Tense)
आगमाभावयुक्तलुङ् (लकारः) आशिर्लिङ् (लकारः) अशिर्लिङ् (लकारः) कृदन्तः (प्रत्ययः) कृद्धन्तः (प्रत्ययः) कृद्धन्तः (प्रत्ययः) कृद्धन्तं (प्रत्यः)	लिट् (लकारः)	
সাহার্তিङ্ (लकारः) Benedictive® (Mood) कृदन्तः (प्रत्ययः) Participle  क (प्रत्ययः) Past Passive (Participle)  कत्त (प्रत्ययः) Past Active (Participle)  शत्ययः) Present Active (Participle)  शानच् कर्मणि (प्रत्ययः) Present Passive (Participle)  लुडादेश (लुट् + आदेश) पर॰ (प्रत्ययः) Future Active (Participle)  तव्य (प्रत्ययः) Future Passive (Participle)  यत् (प्रत्ययः) Future Passive (Participle)  अनीयर् (प्रत्ययः) Future Passive (Participle)  यत् (प्रत्ययः) Future Passive (Participle)  लेडादेश (लिट् + आदेश) पर (प्रत्ययः) Future Passive (Participle)  लेडादेश (लिट् + आदेश) पर (प्रत्ययः) Perfect Active (Participle)  लेडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle)  लेडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle)  लेडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle)  त्ययः Indeclinable  तुमुन् (अव्ययः) Absolutive (gerund)  कत्वा (अव्ययः) Absolutive (gerund)  त्यप् (अव्ययः) Absolutive (gerund)  गिच् रूपणि Causative Conjugation (repeat some of the above)		
क्दन्तः (प्रत्ययः) Participle  क् (प्रत्ययः) Past Passive (Participle)  क् तवतु (प्रत्ययः) Past Active (Participle)  शत्ययः) Present Active (Participle)  शानच् कर्मणि (प्रत्ययः) Present Passive (Participle)  शानच् कर्मणि (प्रत्ययः) Present Passive (Participle)  ल्डादेश (लुट् + आदेश) पर (प्रत्ययः) Future Passive (Participle)  यत् (प्रत्ययः) Future Passive (Participle)  अनीयर् (प्रत्ययः) Future Passive (Participle)  ल्डादेश (लिट् + आदेश) पर (प्रत्ययः) Future Passive (Participle)  लिडादेश (लिट् + आदेश) पर (प्रत्ययः) Perfect Active (Participle)  लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle)  लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle)  लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle)  कव्ययः Indeclinable  तुमुन् (अव्ययः) Absolutive (gerund)  क्त्वा (अव्ययः) Absolutive (gerund)  ल्यप् (अव्ययः) Absolutive (gerund)  ल्यप् (अव्ययः) Absolutive (gerund)  ल्यप् (अव्ययः) Absolutive (gerund)  ल्यप् (अव्ययः) Absolutive (gerund)  शिच् रूपणि Causative Conjugation (repeat some of the above)		Injunctive (Mood)
क्त (प्रत्ययः) Past Passive (Participle) कवतु (प्रत्ययः) Past Active (Participle) शान् (प्रत्ययः) Present Active (Participle) शान् कर्मणि (प्रत्ययः) Present Passive (Participle) लुडादेश (लुट् + आदेश) पर' (प्रत्ययः) Future Passive (Participle) यत् (प्रत्ययः) Future Passive (Participle) अनीयर् (प्रत्ययः) Future Passive (Participle) अनीयर् (प्रत्ययः) Future Passive (Participle) अनीयर् (प्रत्ययः) Future Passive (Participle) लिडादेश (लिट् + आदेश) पर (प्रत्ययः) Perfect Active (Participle) लिडादेश (लिट् + आदेश) आत्म¹0 (प्रत्ययः) Future Passive (Participle) लिडादेश (लिट् + आदेश) आत्म¹0 (प्रत्ययः) Future Passive (Participle) अव्ययः Indeclinable तुमुन् (अव्ययः) Absolutive (gerund) कत्वा (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) णिच् रूपणि Causative Conjugation (repeat some of the above) यङ् रूपणि Intensive Conjugation (repeat some of the above)	आशिर्लिङ् (लकारः)	Benedictive <sup>8</sup> (Mood)
स्वतु (प्रत्ययः) Past Active (Participle) शत्ययः) Present Active (Participle) शानच् कर्मणि (प्रत्ययः) Present Passive (Participle) लुडादेश (लुट् + आदेश) पर (प्रत्ययः) Future Active (Participle) तय (प्रत्ययः) Future Passive (Participle) यत् (प्रत्ययः) Future Passive (Participle) अनीयर् (प्रत्ययः) Future Passive (Participle) अनीयर् (प्रत्ययः) Future Passive (Participle) लिडादेश (लिट् + आदेश) पर (प्रत्ययः) Perfect Active (Participle) लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle) लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle) लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle) लिडादेश (लिट् + आदेश) अत्ययः) Infinitive त्ययः Indeclinable तुमुन् (अव्ययः) Absolutive (gerund) ल्या (अव्ययः) Absolutive (gerund) ल्या (अव्ययः) Absolutive (gerund) ल्या (अव्ययः) Absolutive (gerund) ल्या (अव्ययः) Absolutive (gerund) णिच् रूपणि Causative Conjugation (repeat some of the above)	कृदन्तः (प्रत्ययः)	Participle
हातृं (प्रत्ययः) Present Active (Participle)  हानच् कर्मणि (प्रत्ययः) Present Passive (Participle)  लुडादेश (लुट् + आदेश) पर १ (प्रत्ययः) Future Active (Participle)  तव्य (प्रत्ययः) Future Passive (Participle)  यत् (प्रत्ययः) Future Passive (Participle)  अनीयर् (प्रत्ययः) Future Passive (Participle)  यत् (प्रत्ययः) Future Passive (Participle)  लिडादेश (लिट् + आदेश) पर (प्रत्ययः) Perfect Active (Participle)  लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle)  लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle)  अव्ययः Indeclinable  तुमुन् (अव्ययः) Absolutive (gerund)  क्त्वा (अव्ययः) Absolutive (gerund)  ल्यप् (अव्ययः) Absolutive (gerund)  ल्यप् (अव्ययः) Absolutive (gerund)  ल्यप् (अव्ययः) Absolutive (gerund)  ाणच् रूपणि Causative Conjugation (repeat some of the above)  यङ् रूपणि Intensive Conjugation (repeat some of the above)	क्त (प्रत्ययः)	•
शानच् कर्मणि (प्रत्ययः) Present Passive (Participle) लुडादेश (लुट् + आदेश) पर (प्रत्ययः) Future Active (Participle) तव्य (प्रत्ययः) Future Passive (Participle) यत् (प्रत्ययः) Future Passive (Participle) अनीयर् (प्रत्ययः) Future Passive (Participle) यत् (प्रत्ययः) Future Passive (Participle) लिडादेश (लिट् + आदेश) पर (प्रत्ययः) Perfect Active (Participle) लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle) लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle) अञ्चयः Indeclinable तुमुन् (अञ्चयः) Infinitive कत्वा (अञ्चयः) Absolutive (gerund) कत्वा (अञ्चयः) Absolutive (gerund) ल्यप् (अञ्चयः) Tassive Conjugation (repeat some of the above) यङ् रूपाणि Intensive Conjugation (repeat some of the above)		<u> </u>
लुडादेश (लुट् + आदेश) पर <sup>9</sup> (प्रत्ययः) Future Active (Participle)		Present Active (Participle)
तव्य (प्रत्ययः) Future Passive (Participle) यत् (प्रत्ययः) Future Passive (Participle) अनीयर् (प्रत्ययः) Future Passive (Participle) यत् (प्रत्ययः) Future Passive (Participle) लिडादेश (लिट् + आदेश) पर (प्रत्ययः) Perfect Active (Participle) लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle) अव्ययः Indeclinable तुमुन् (अव्ययः) Infinitive कत्वा (अव्ययः) Absolutive (gerund) कत्वा (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) णिच् रूपाणि Causative Conjugation (repeat some of the above) यङ् रूपाणि Intensive Conjugation (repeat some of the above)		Present Passive (Participle)
यत् (प्रत्ययः) Future Passive (Participle) अनीयर् (प्रत्ययः) Future Passive (Participle) यत् (प्रत्ययः) Future Passive (Participle) लिडादेश (लिट् + आदेश) पर (प्रत्ययः) Perfect Active (Participle) लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle) अव्ययः Indeclinable तुमुन् (अव्ययः) Infinitive क्वा (अव्ययः) Absolutive (gerund) क्वा (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) Пच् रूपाणि Causative Conjugation (repeat some of the above)	लुडादेश (लुट् + आदेश) पर <sup>9</sup> (प्रत्ययः)	Future Active (Participle)
अनीयर् (प्रत्ययः) Future Passive (Participle) यत् (प्रत्ययः) Future Passive (Participle) लिडादेश (लिट् + आदेश) पर (प्रत्ययः) Perfect Active (Participle) लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle) अव्ययः Indeclinable तुमुन् (अव्ययः) Infinitive क्वा (अव्ययः) Absolutive (gerund) क्वा (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) णिच् रूपाणि Causative Conjugation (repeat some of the above) यङ् रूपाणि Intensive Conjugation (repeat some of the above)	तव्य (प्रत्ययः)	•
यत् (प्रत्ययः) Future Passive (Participle) लिडादेश (लिट् + आदेश) पर (प्रत्ययः) Perfect Active (Participle) लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle) अव्ययः Indeclinable तुमुन् (अव्ययः) Infinitive क्त्वा (अव्ययः) Absolutive (gerund) क्त्वा (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) णिच् रूपाणि Causative Conjugation (repeat some of the above) यङ् रूपाणि Intensive Conjugation (repeat some of the above)		Future Passive (Participle)
लिडादेश (लिट् + आदेश) पर (प्रत्ययः) Perfect Active (Participle) लिडादेश (लिट् + आदेश) आत्म¹० (प्रत्ययः) Future Passive (Participle) अव्ययः Indeclinable तुमुन् (अव्ययः) Infinitive कत्वा (अव्ययः) Absolutive (gerund) कत्वा (अव्ययः) Absolutive (gerund) त्यप् (अव्ययः) Absolutive (gerund) त्यप् (अव्ययः) Absolutive (gerund) णिच् रूपाणि Causative Conjugation (repeat some of the above) यङ् रूपाणि Intensive Conjugation (repeat some of the above)	अनीयर् (प्रत्ययः)	Future Passive (Participle)
लिडादेश (लिट् + आदेश) आत्म <sup>10</sup> (प्रत्ययः) Future Passive (Participle) अव्ययः Indeclinable तुमुन् (अव्ययः) Infinitive कत्वा (अव्ययः) Absolutive (gerund) कत्वा (अव्ययः) Absolutive (gerund) लयप् (अव्ययः) Absolutive (gerund) लयप् (अव्ययः) Absolutive (gerund) लयप् (अव्ययः) Absolutive (gerund) णिच् रूपाणि Causative Conjugation (repeat some of the above) यङ् रूपाणि Intensive Conjugation (repeat some of the above)	यत् (प्रत्ययः)	Future Passive (Participle)
अव्ययः Indeclinable तुमुन् (अव्ययः) Infinitive कत्वा (अव्ययः) Absolutive (gerund) कत्वा (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) णिच् रूपाणि Causative Conjugation (repeat some of the above) यङ् रूपाणि Intensive Conjugation (repeat some of the above)		Perfect Active (Participle)
अव्ययः Indeclinable तुमुन् (अव्ययः) Infinitive कत्वा (अव्ययः) Absolutive (gerund) कत्वा (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) णिच् रूपाणि Causative Conjugation (repeat some of the above) यङ् रूपाणि Intensive Conjugation (repeat some of the above)	लिडादेश (लिट् + आदेश) आत्म <sup>10</sup> (प्रत्ययः)	Future Passive (Participle)
क्ता (अव्ययः) Absolutive (gerund) क्ता (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) णिच् रूपाणि Causative Conjugation (repeat some of the above) यङ् रूपाणि Intensive Conjugation (repeat some of the above)		Indeclinable
क्तवा (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) णिच् रूपाणि Causative Conjugation (repeat some of the above) यङ् रूपाणि Intensive Conjugation (repeat some of the above)	तुमुन् (अव्ययः)	Infinitive
ल्यप् (अव्ययः) Absolutive (gerund) ल्यप् (अव्ययः) Absolutive (gerund) णिच् रूपाणि Causative Conjugation (repeat some of the above) यङ् रूपाणि Intensive Conjugation (repeat some of the above)	क्त्वा (अव्ययः)	
ल्यप् (अव्ययः) Absolutive (gerund) णिच् रूपाणि Causative Conjugation (repeat some of the above) यङ् रूपाणि Intensive Conjugation (repeat some of the above)	क्त्वा (अव्ययः)	Absolutive (gerund)
णिच् रूपाणि Causative Conjugation (repeat some of the above) यङ् रूपाणि Intensive Conjugation (repeat some of the above)	~ ` '	
यङ् रूपाणि Intensive Conjugation (repeat some of the above)		Absolutive (gerund)
		Causative Conjugation (repeat some of the above)
सन रूपाणि Desiderative Conjugation (repeat some of the above)	यङ् रूपाणि	Intensive Conjugation (repeat some of the above)
71 1 7 m 1   Desiderative conjugation (repeat some of the above)	सन् रूपाणि	Desiderative Conjugation (repeat some of the above)