

शिखागोविश्वविद्यालये

प्रारम्भिकसंस्कृतम्

FIRST-YEAR SANSKRIT

AT THE UNIVERSITY OF CHICAGO



अल्लटाचार्योद्भावितः पाठक्रमः  Designed by Andrew Ollett



vyàñjanāḥ **CONSONANTS**



vyàñjanāḥ

CONSONANTS

What is a consonant?

phonological definition:

→ any sound that cannot make
up a syllable on its own



vyàñjanāḥ **CONSONANTS**

Three groups:

- 1) Occlusives (stops and nasals);
- 2) Approximants (semivowels);
- 3) Fricatives (sibilants).

Also dependent consonants.



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Occlusives:

The flow of air through the mouth is completely blocked.

(It may be let out through the nose, in the case of *nasal* consonants.)



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The **occlusives** are traditionally organized into five groups (*vargāḥ*) based on their place of articulation (*sthānam*).

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CONSONANTS

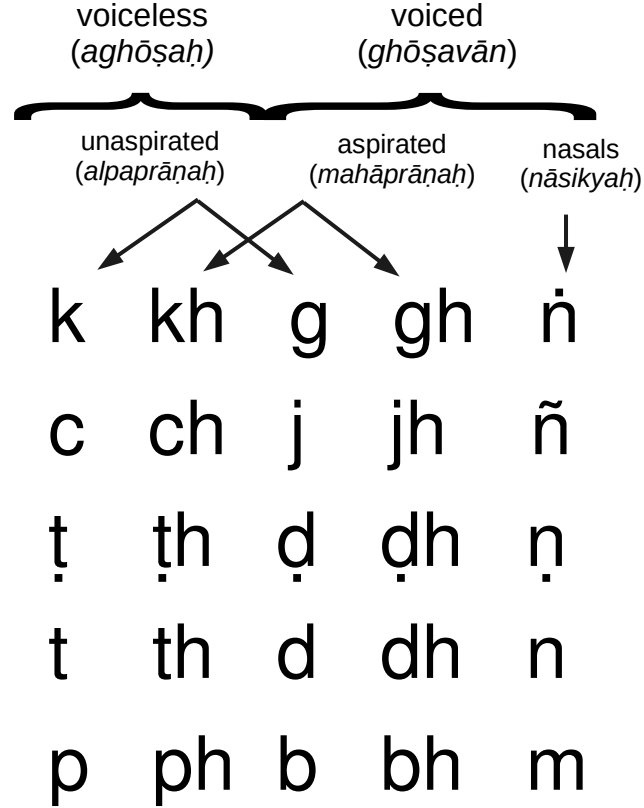
velar (kaṇṭhyaḥ)

palatal (tālavyaḥ)

retroflex (mūrdhanyaḥ)

dental (dantyaḥ)

labial (ōṣṭhyaḥ)





vyàñjanāḥ **CONSONANTS**

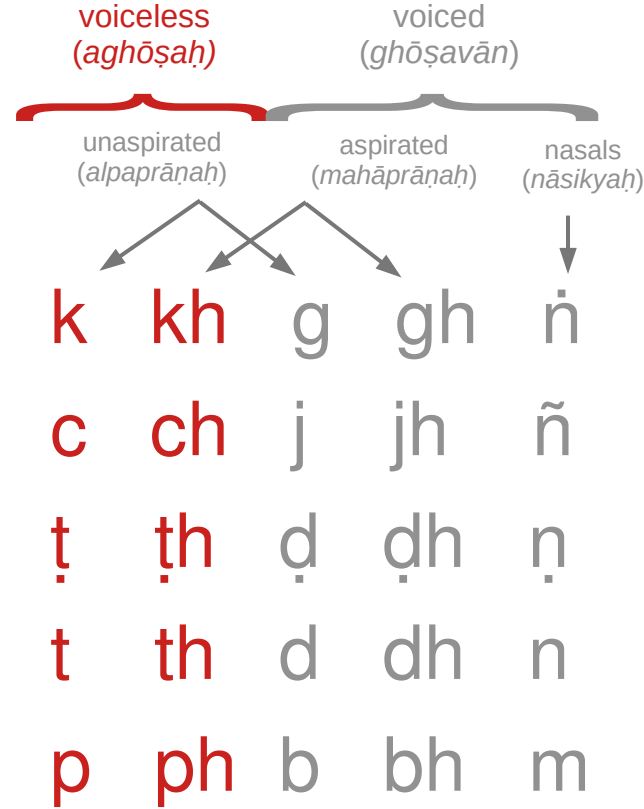
Voice: the vibration of the vocal cords.

Contrast **p**ush and **b**ush, or **t**are and **d**are.

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CONSONANTS

velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)



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CONSONANTS

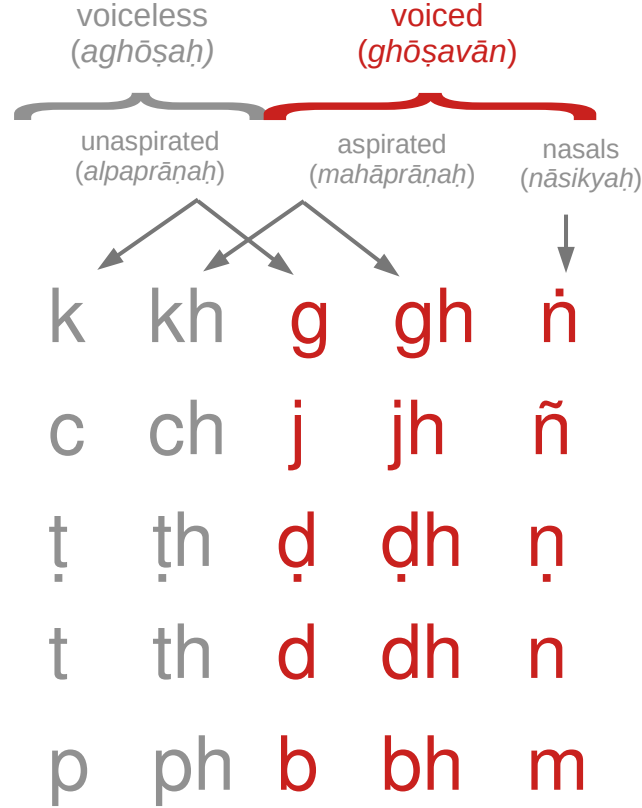
velar (kaṇṭhyaḥ)

palatal (tālavyaḥ)

retroflex (mūrdhanyaḥ)

dental (dantyaḥ)

labial (ōṣṭhyaḥ)





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CONSONANTS

Aspiration: a burst of air accompanying the pronunciation of the sound.

Contrast **s**top and **t**op.

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CONSONANTS

velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)

voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)	nasals (nāsikyaḥ)	
k	kh	g	gh	ṅ
c	ch	j	jh	ñ
ṭ	ṭh	ḍ	ḍh	ṇ
t	th	d	dh	n
p	ph	b	bh	m

vyàñjanāḥ

CONSONANTS

velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
	k	kh	g	gh	ṅ
	c	ch	j	jh	ñ
	ṭ	ṭh	ḍ	ḍh	ṇ
	t	th	d	dh	n
	p	ph	b	bh	m



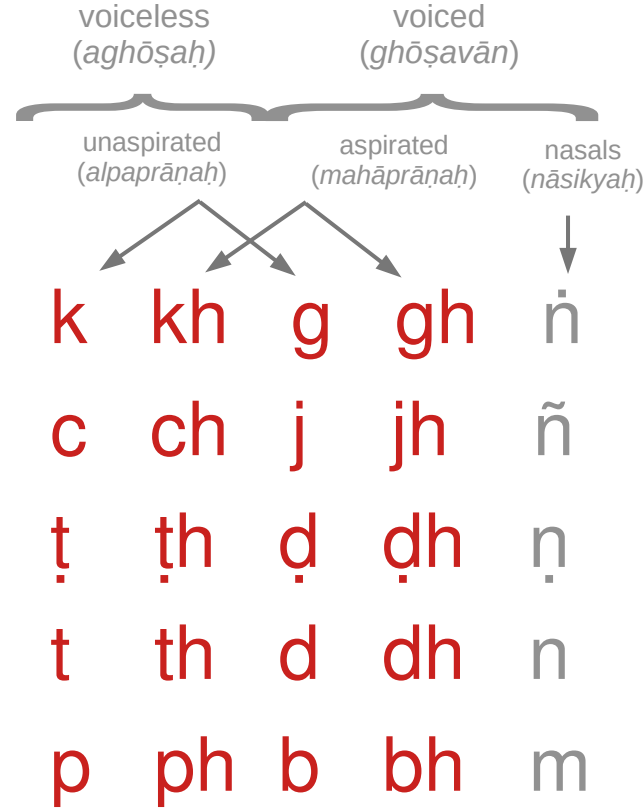
vyàñjanāḥ **CONSONANTS**

Nasal: the sound is released through the nasal cavity rather than the oral cavity.

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CONSONANTS

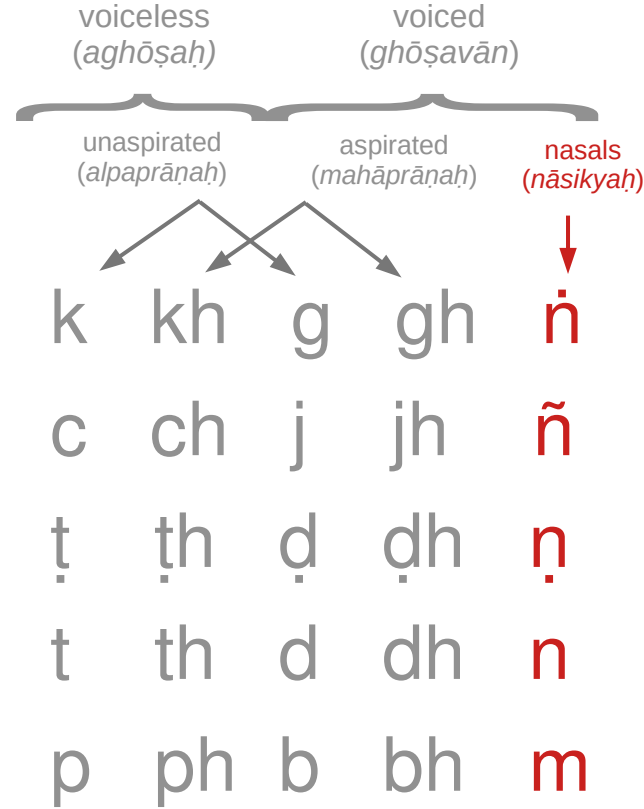
velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)



vyàñjanāḥ

CONSONANTS

velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)





vyàñjanāḥ **CONSONANTS**

Place of articulation: where in the mouth the flow of air is most restricted.

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CONSONANTS

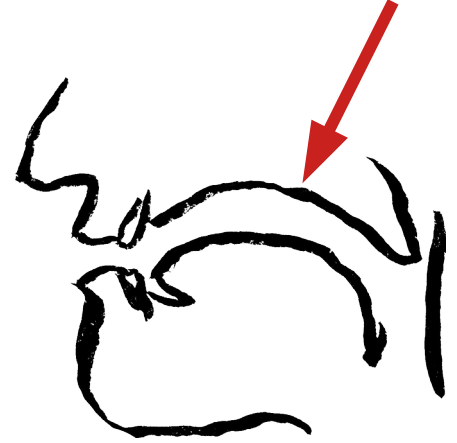
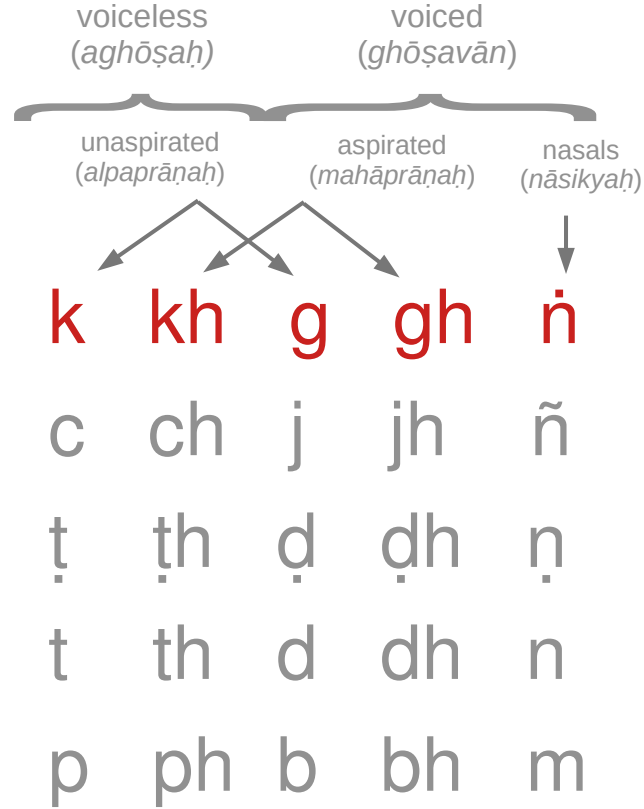
velar (*kaṇṭhyaḥ*)

palatal (*tālavyaḥ*)

retroflex (*mūrdhanyaḥ*)

dental (*dantyaḥ*)

labial (*ōṣṭhyaḥ*)



vyàñjanāḥ

CONSONANTS

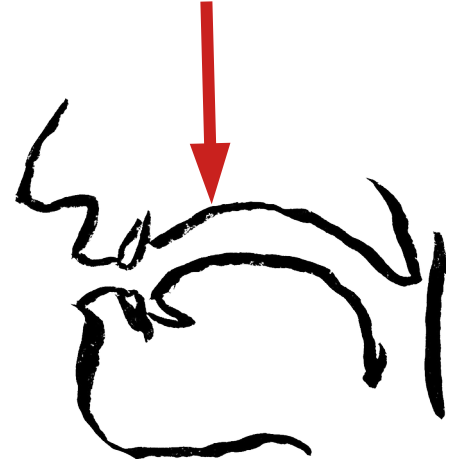
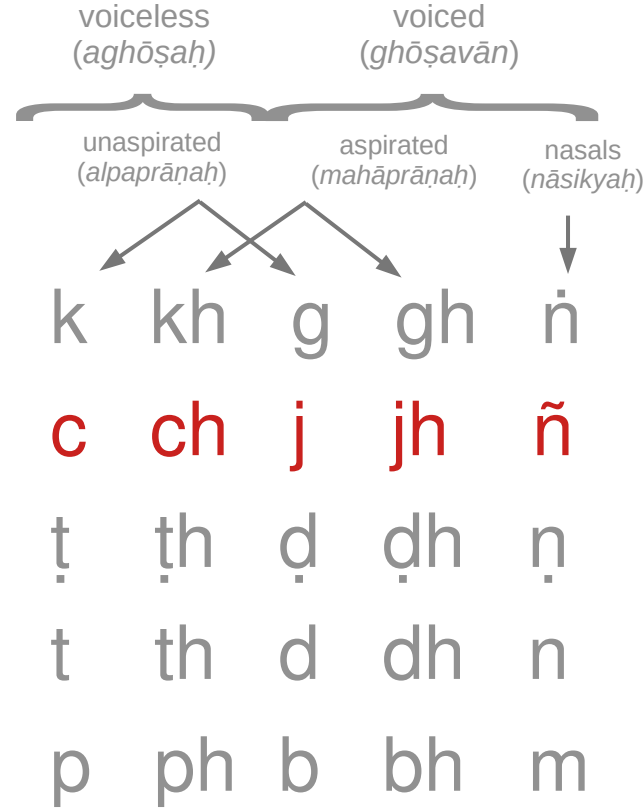
velar (kaṇṭhyaḥ)

palatal (tālavyaḥ)

retroflex (mūrdhanyaḥ)

dental (dantyaḥ)

labial (ōṣṭhyaḥ)



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CONSONANTS

velar (kaṇṭhyaḥ)

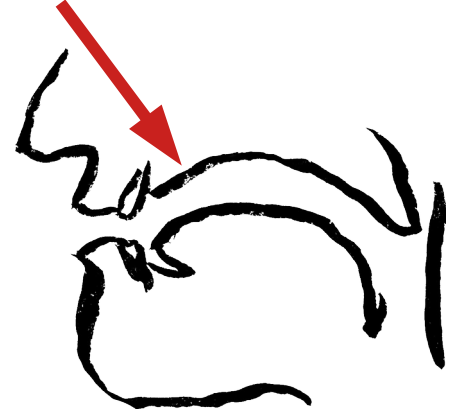
palatal (tālavyaḥ)

retroflex (mūrdhanyaḥ)

dental (dantyaḥ)

labial (ōṣṭhyaḥ)

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
	k	kh	g	gh	ṅ
	c	ch	j	jh	ñ
	ṭ	ṭh	ḍ	ḍh	ṇ
	t	th	d	dh	n
	p	ph	b	bh	m

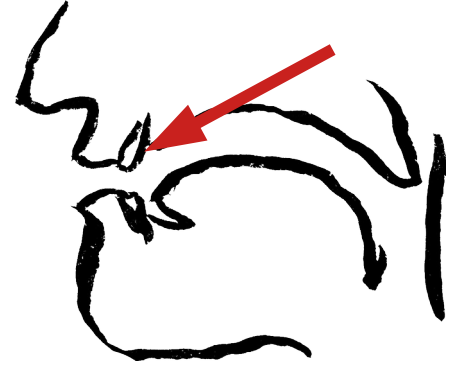


vyàñjanāḥ

CONSONANTS

velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
	k	kh	g	gh	ṅ
	c	ch	j	jh	ñ
	ṭ	ṭh	ḍ	ḍh	ṇ
	t	th	d	dh	n
	p	ph	b	bh	m



vyàñjanāḥ

CONSONANTS

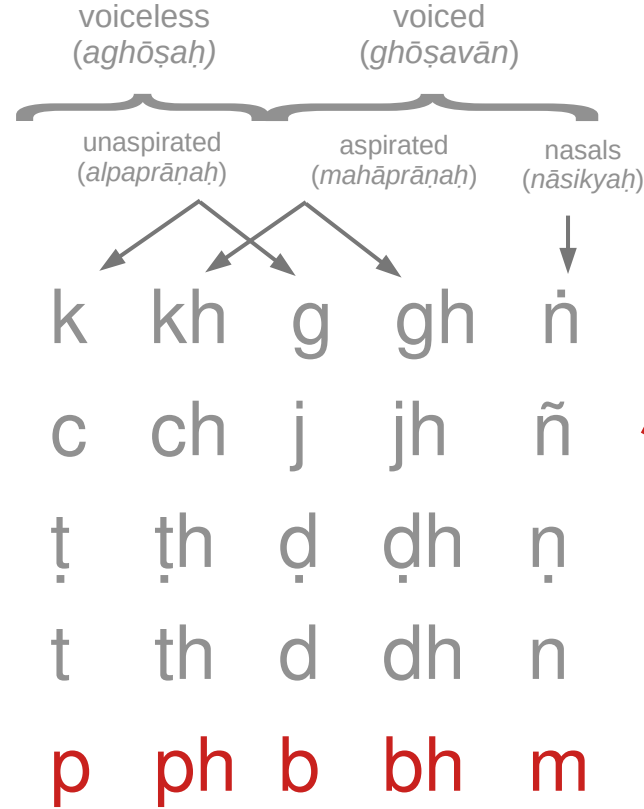
velar (kaṇṭhyaḥ)

palatal (tālavyaḥ)

retroflex (mūrdhanyaḥ)

dental (dantyaḥ)

labial (ōṣṭhyaḥ)



vyàñjanāḥ

CONSONANTS

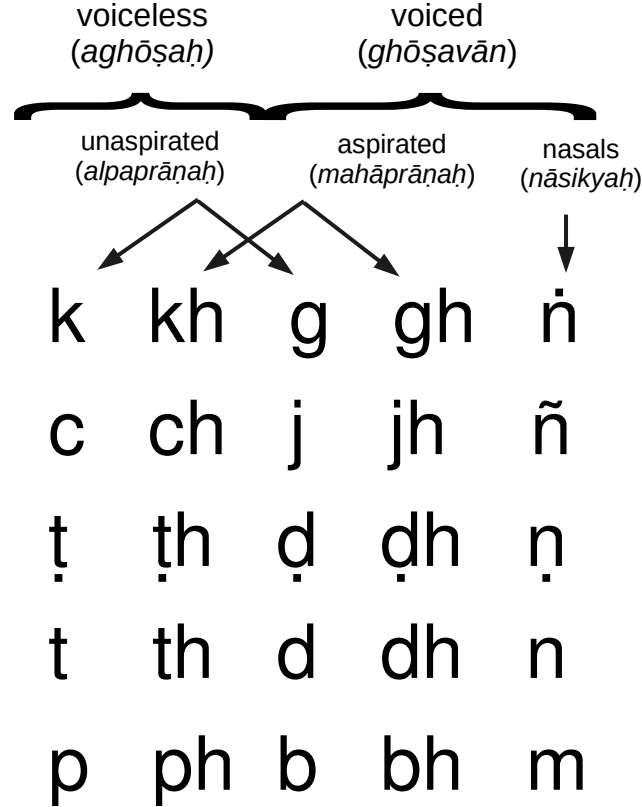
velar (kaṇṭhyaḥ)

palatal (tālavyaḥ)

retroflex (mūrdhanyaḥ)

dental (dantyaḥ)

labial (ōṣṭhyaḥ)



vyàñjanāḥ

CONSONANTS

[k] as in skate

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyāḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

kākaḥ

vyàñjanāḥ

CONSONANTS

[k^h] as in cat

velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyaḥ)
	k	kh	g	gh	ṅ
	c	ch	j	jh	ñ
	ṭ	ṭh	ḍ	ḍh	ṇ
	t	th	d	dh	n
	p	ph	b	bh	m

akhilāḥ

vyàñjanāḥ

CONSONANTS

[g] as in **g**ate

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)	nasals (nāsikyāḥ)	
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyaḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

guruḥ

vyàñjanāḥ

CONSONANTS

[g^h]

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyaḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

ghōraḥ

vyàñjanāḥ

CONSONANTS

[ŋ] as in sing

velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)

voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyaḥ)
k	kh	g	gh	ṅ
c	ch	j	jh	ñ
ṭ	ṭh	ḍ	ḍh	ṇ
t	th	d	dh	n
p	ph	b	bh	m

aṅgam

vyàñjanāḥ

CONSONANTS

[tʃ] as in **check**

velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyaḥ)
ṇ	k	kh	g	gh	ṅ
	c	ch	j	jh	ñ
	ṭ	ṭh	ḍ	ḍh	ṇ
	t	th	d	dh	n
	p	ph	b	bh	m

cāru

vyàñjanāḥ

CONSONANTS

[tʰ]

velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyaḥ)
	k	kh	g	gh	ṅ
	c	ch	j	jh	ñ
	ṭ	ṭh	ḍ	ḍh	ṇ
	t	th	d	dh	n
	p	ph	b	bh	m

chāyā

vyàñjanāḥ

CONSONANTS

[dʒ] as in judge

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyāḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

jīvaḥ

vyàñjanāḥ

CONSONANTS

[dʒʰ]

velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)

voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyaḥ)
k	kh	g	gh	ṅ
c	ch	j	jh	ñ
ṭ	ṭh	ḍ	ḍh	ṇ
t	th	d	dh	n
p	ph	b	bh	m

jharaḥ

vyàñjanāḥ

CONSONANTS

[ɳ] as in cringe

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyaḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

cuñcuḥ

vyàñjanāḥ

CONSONANTS

[t] as in hurt

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyaḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

ṭīkā

vyàñjanāḥ

CONSONANTS

[tʰ]

velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)

voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyaḥ)
k	kh	g	gh	ṅ
c	ch	j	jh	ñ
ṭ	tḥ	ḍ	ḍh	ṇ
t	th	d	dh	n
p	ph	b	bh	m

pratiṣṭhā

vyàñjanāḥ

CONSONANTS

[d] as in yard

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyaḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

ḍambaraḥ

vyàñjanāḥ

CONSONANTS

[d^h]

velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)

voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyaḥ)
k	kh	g	gh	ṅ
c	ch	j	jh	ñ
ṭ	ṭh	ḍ	ḍh	ṇ
t	th	d	dh	n
p	ph	b	bh	m

bāḍham

vyàñjanāḥ

CONSONANTS

[ṇ] as in varnish

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyaḥ)
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyaḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

maṇiḥ

vyàñjanāḥ

CONSONANTS

[t] as in stop

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyaḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

tātaḥ

vyàñjanāḥ

CONSONANTS

[tʰ] as in top

velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)

voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyaḥ)
k	kh	g	gh	ṅ
c	ch	j	jh	ñ
ṭ	ṭh	ḍ	ḍh	ṇ
t	th	d	dh	n
p	ph	b	bh	m

sthitaḥ

vyàñjanāḥ

CONSONANTS

[d] as in **dog**

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyaḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

dēvaḥ

vyàñjanāḥ

CONSONANTS

[d^h]

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyaḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

dhanam

vyàñjanāḥ

CONSONANTS

[n] as in **n**ine

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyaḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

nāgaḥ

vyàñjanāḥ

CONSONANTS

[p] as in spit

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyaḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

pitā

vyàñjanāḥ

CONSONANTS

[p^h] as in pit

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyaḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

phalam

vyàñjanāḥ

CONSONANTS

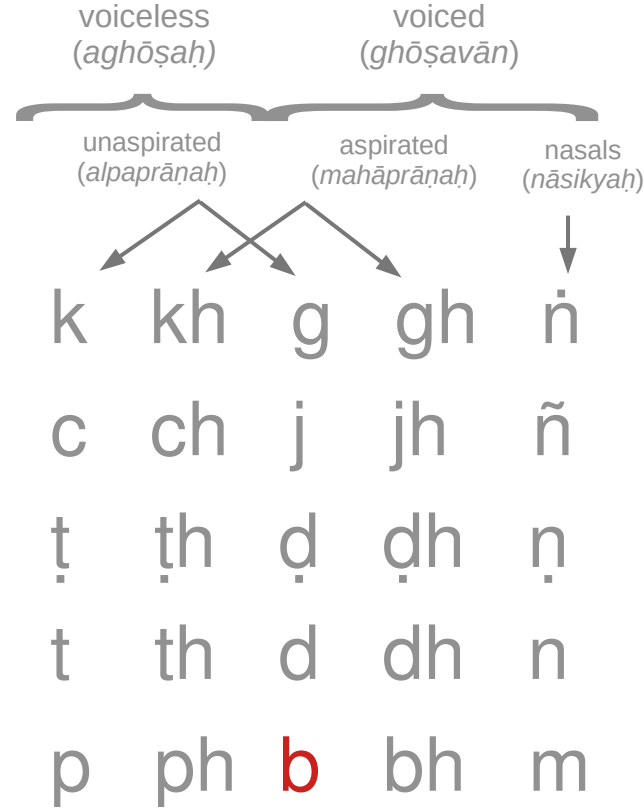
velar (kaṇṭhyaḥ)

palatal (tālavyaḥ)

retroflex (mūrdhanyaḥ)

dental (dantyaḥ)

labial (ōṣṭhyaḥ)



[b] as in bit

balam

vyàñjanāḥ

CONSONANTS

[b^h]

velar (kaṇṭhyaḥ)
palatal (tālavyaḥ)
retroflex (mūrdhanyaḥ)
dental (dantyaḥ)
labial (ōṣṭhyaḥ)

voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyaḥ)
k	kh	g	gh	ṅ
c	ch	j	jh	ñ
ṭ	ṭh	ḍ	ḍh	ṇ
t	th	d	dh	n
p	ph	b	bh	m

bhāraḥ

vyàñjanāḥ

CONSONANTS

[m] as in mine

	voiceless (aghōṣaḥ)		voiced (ghōṣavān)		
	unaspirated (alpaprāṇaḥ)		aspirated (mahāprāṇaḥ)		nasals (nāsikyāḥ)
velar (kaṇṭhyaḥ)	k	kh	g	gh	ṅ
palatal (tālavyaḥ)	c	ch	j	jh	ñ
retroflex (mūrdhanyaḥ)	ṭ	ṭh	ḍ	ḍh	ṇ
dental (dantyaḥ)	t	th	d	dh	n
labial (ōṣṭhyaḥ)	p	ph	b	bh	m

marma



vyàñjanāḥ **CONSONANTS**

Approximants: Their sonority is midway between that of vowels and occlusives.

They are called “intermediate” (*antaḥsthāḥ*) in Sanskrit.



vyàñjanāḥ **CONSONANTS**

y

r

l

v



vyàñjanāḥ

CONSONANTS

[j] as in yet

yayātiḥ

palatal (*tālavyaḥ*)

y (i/ī)

retroflex (*mūrdhanyaḥ*)

r

dental (*dantyaḥ*)

l

labial (*ōṣṭhyaḥ*)

v



vyàñjanāḥ

CONSONANTS

[ɹ] as in red

palatal (*tālavyaḥ*)

y

retroflex (*mūrdhanyaḥ*)

r (ṛ/ṝ)

dental (*dantyaḥ*)

l

labial (*ōṣṭhyaḥ*)

v

rāmaḥ



vyàñjanāḥ

CONSONANTS

[l] as in let

lalitam

palatal (*tālavyaḥ*)

y

retroflex (*mūrdhanyaḥ*)

r

dental (*dantyaḥ*)

l

(!)

labial (*ōṣṭhyaḥ*)

v



vyàñjanāḥ

CONSONANTS

palatal (*tālavyaḥ*)

y

retroflex (*mūrdhanyaḥ*)

r

dental (*dantyaḥ*)

l

labial (*ōṣṭhyaḥ*)

v

(u/ū)

[v] as in **vote**

~ [w] as in **wish**

~ [β]

vāraḥ



vyàñjanāḥ

CONSONANTS

Fricatives: Air is passed through a relatively narrow passage in the articulatory organs, resulting in a turbulent airflow.



vyàñjanāḥ **CONSONANTS**

Sibilants

ś

ṣ

ṣ



vyàñjanāḥ

CONSONANTS

[] as in **ship**

Sibilants

palatal (*tālavyaḥ*)

ś

retroflex (*mūrdhanyaḥ*)

ṣ

dental (*dantyaḥ*)

s

śaraḥ



vyàñjanāḥ

CONSONANTS

[ʃ] as in 是

Sibilants

palatal (*tālavyaḥ*)

ś

retroflex (*mūrdhanyaḥ*)

ṣ

dental (*dantyaḥ*)

s

kaṣaḥ



vyàñjanāḥ

CONSONANTS

[s] as in sip

Sibilants

palatal (*tālavyaḥ*)

ś

retroflex (*mūrdhanyaḥ*)

ṣ

dental (*dantyaḥ*)

s

sāraḥ



vyàñjanāḥ

CONSONANTS

Sibilants

velar (*kaṇṭhyaḥ*)

X

palatal (*tālavyaḥ*)

Ś

retroflex (*mūrdhanyaḥ*)

Ṣ

dental (*dantyaḥ*)

S

labial (*ōṣṭhyaḥ*)

f



vyàñjanāḥ **CONSONANTS**

[h] as in **hat**

Pseudo-fricative

h

haraḥ



vyàñjanāḥ **CONSONANTS**

Dependent sounds: In *phonological* terms, these are sounds with certain features neutralized (e.g., place of articulation) because of their position *at the end of a syllable*.



vyàñjanāḥ

CONSONANTS

Dependent sounds: Once we get to the Dēvanāgarī script, you will see that they are “dependent” because they cannot constitute a syllable (and hence a letter) on their own, but need to be appended to another syllable.



vyàñjanāḥ

CONSONANTS

Visargaḥ (ḥ)

The *visargaḥ* (“emission”) is a voiceless puff of air (phonetically [h]). It is often pronounced with a slight echo of the preceding vowel:

rāmaḥ

agniḥ



vyàñjanāḥ

CONSONANTS

Visargaḥ (ḥ)

When followed by another sound, the visargaḥ is sometimes pronounced as a voiceless fricative corresponding to the following place of articulation:

rāmaḥ khādati

rāmaḥ pibati



vyàñjanāḥ

CONSONANTS

Anusvārah (ṁ)

(1) A nasalization of a vowel (before fricatives and approximants):

saṁhārah

saṁskṛtam

saṁśayaḥ



vyàñjanāḥ

CONSONANTS

Anusvārah (ṁ)

(1) A nasalization of a vowel (before fricatives and approximants):

saṁyōgaḥ

saṁrambhaḥ

saṁvṛttaḥ



vyàñjanāḥ

CONSONANTS

Anusvāraḥ (ṁ)

(2) An alternative way of writing the class nasal before occlusives:

saṁkaṭaḥ = sañkaṭaḥ

saṁcayaḥ = sañcayaḥ

saṁtuṣṭaḥ = santuṣṭaḥ

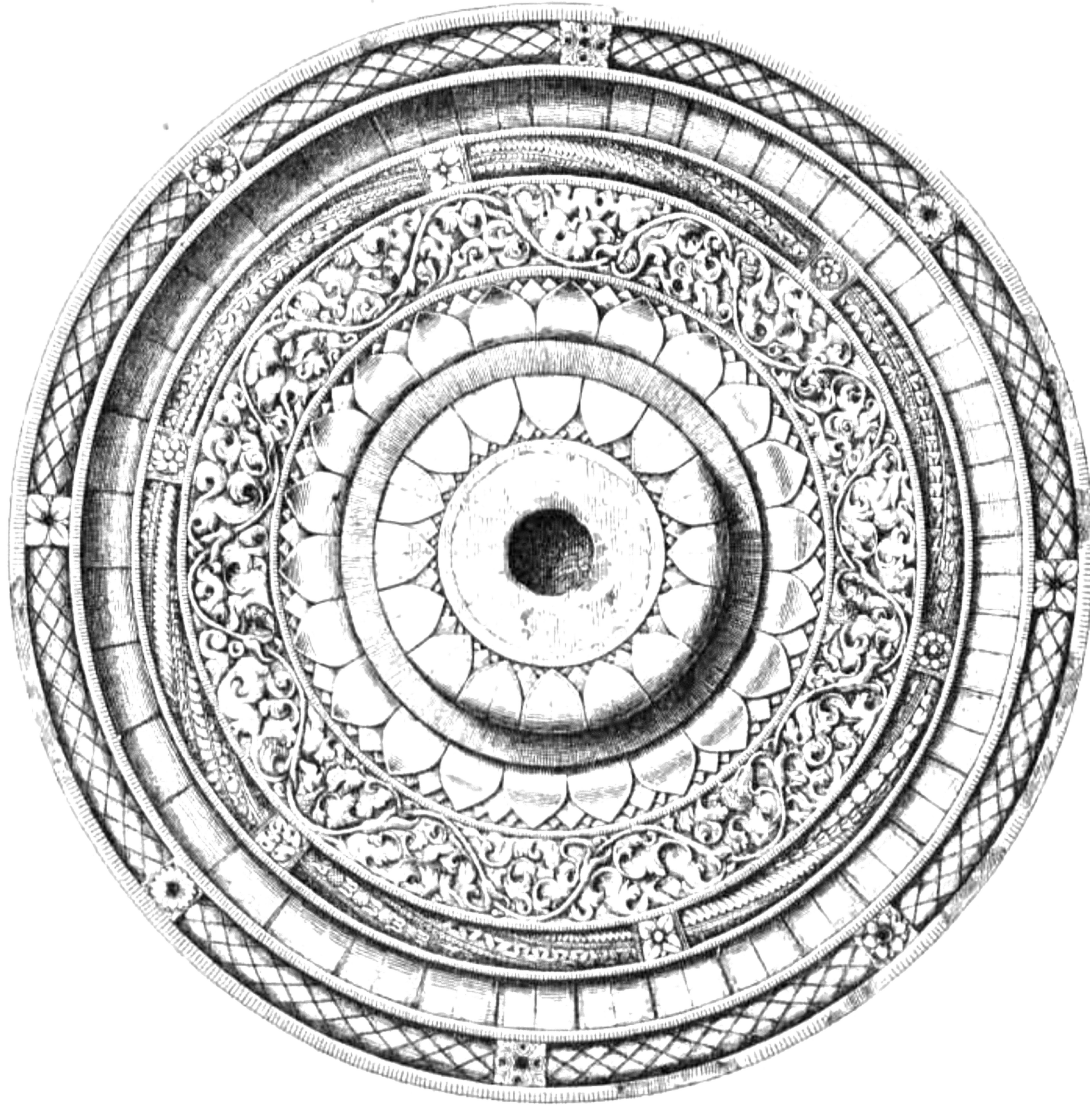
saṁbhr̥taḥ = sambhr̥taḥ



vyàñjanāḥ

CONSONANTS

						ha	ya	va	ra	Ṭ	
									la	Ṇ	
						ña	ma	ṇa	ṇa	na	M
									jha	bha	Ñ
								gha	ḍha	dha	Ṣ
						ja	ba	ga	ḍa	da	Ś
kha	pha	cha	ṭha	tha	ca		ṭa	ta		V	
								ka	pa	Y	
							śa	ṣa	sa	R	
									ha	L	



॥वृद्धि॥
Sanskrit at uchicago