

Shiva Learning Workbook

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The Pan-Indic script called Shiva.

The aim of Shiva is to support a single generic vector based script common for all Indian languages so that text can be displayed in this manner on the simplest of devices. A common script for easy interoperation between Indian languages and bring on a possibility of common display systems which would be efficient.

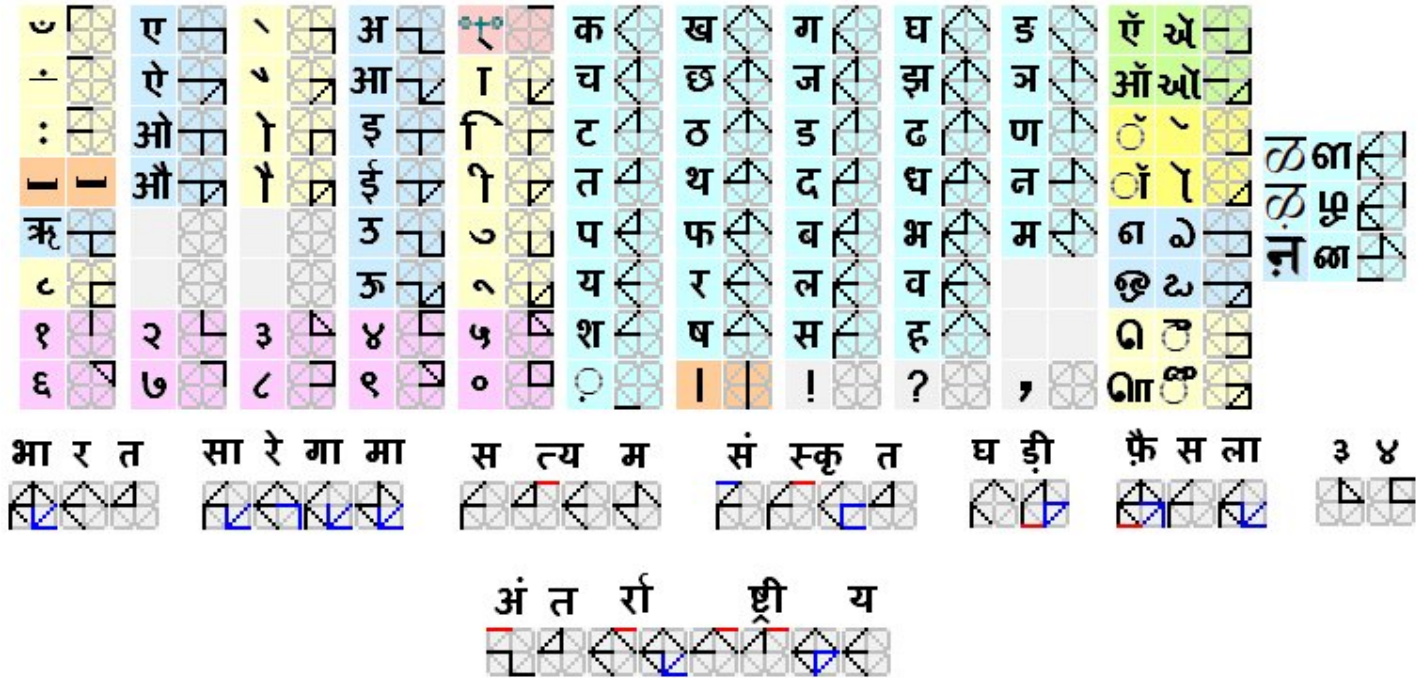
Shiva Script has been developed with the following design goals.

1. A common alphabet for all Indian languages which is inclusive of all of them in a consistent logical system.
2. To keep all the phonemic and orthographical rules intact of the original Abugida representation system of matras, yuktakshars etc. And to treat them in familiar ways only changing the physical form of the individual characters (the typography).
3. To develop a script which is suitable for segment display systems by using only straight lines. (16 segment displays : Form Lotus) Segment displays are low cost displays like calculators.
4. To develop a script that has good recognisability of each characters and readability from far.
5. To develop a system of script which is deducible making it easy for anyone to learn and interpret. The glyphs are logical and can be arrived at through a few simple rules.
6. To develop a system which is efficient in space, monospace font and simple in its representation and offers simplicity in electronic and electromechanical implementations in display system and in developing low complexity and high reliability OCR technologies for Indian language text.
7. To develop a glyph system that is orthogonal in its representation between classes of characters – vyanjans, swars, matras and other symbols. Meaning there is never any overlap of character types which can lead to ambiguities.
8. The Yuktakshars (consonant cluster ligatures) which are so fundamental to Indian languages has been preserved in their original ways in a monospace equal height schema.

Overall, the Shiva script offers compatibility and efficiencies to digital sciences which could be considered higher than the latin script on computers.

The artificial script Shiva has been arrived at after extensive experimentations with alternate representations and forms. No patent application has been filed with respect to the Shiva script to keep it free for modifications and growth.

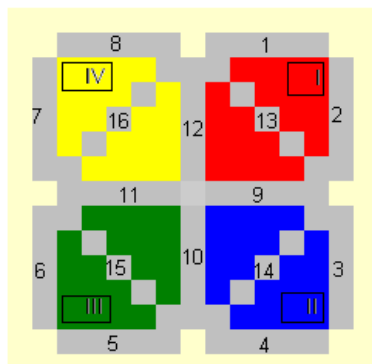
This is how Shiva looks like for Devanagari



The basic structure of the Shiva script is the 16 segment form below. The form is divided into 4 segments.

The Shiva script uses the following 16 segment glyph for its character forms. This keeps the glyphs simple, systematic, vector based and suitable to segment display systems.

The following has 4 quadrants as shown in different colours. Character types conform to these quadrants.



The segments are numbered as shown.

Shiva has been designed with particular attention to learnability of its characters. Particularly the aspect of simplicity of the forms and their deducibility from rules. The characters of the alphabet are designed based on definite progression rules. Segments and quadrants are reserved for types. Hence one could arrive at the symbol for a particular character by merely knowing few simple rules or even its neighbour. Each character class also has its own space and segments. This when explained to a learner can demonstrably lead to his learning the alphabet in an exercise of half an hour. This can offer a fillip to literacy in India.

ka kha ga gha na
 क ख ग घ ङ

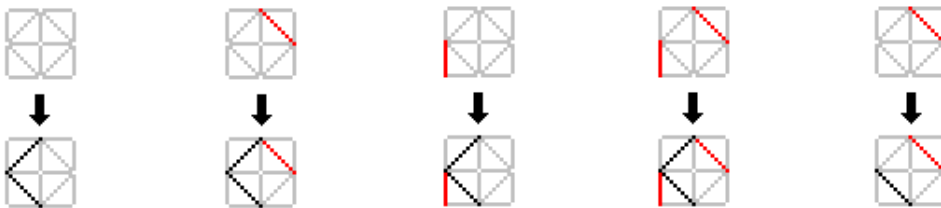
First enter the basic Ka Glyph for the whole row (पहले पूरी पंक्ति में 'क' लिखें)



In the case of the column 5, the segment 16 is removed (9वें कॉलम में, 16वें भाग को हटाएँ)



Then add the respective column segments (अब दिए गए हिस्से को संबंधित कॉलम में जोड़ें)



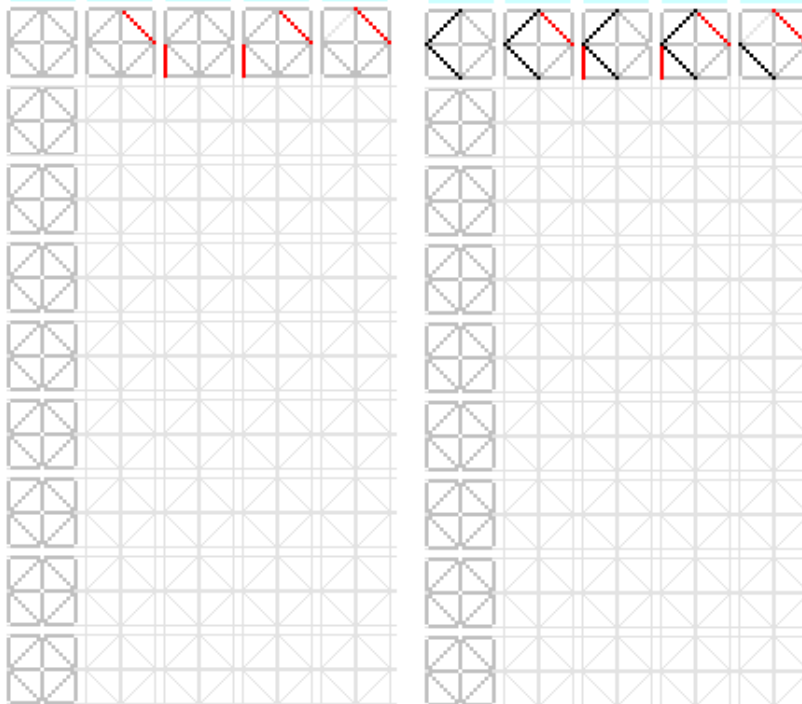
You get the character glyphs for that row. (आप उस पंक्ति के लिए संबंधित अक्षर पा लेंगे)

Same rule for each row. (हर पंक्ति के लिए नियम समान है)

क ख ग घ ङ

Practice this (अभ्यास करें):

ka kha ga gha na ka kha ga gha na
 क ख ग घ ङ क ख ग घ ङ



Write the following on your own (स्वयं लिखें):



Recognise and write (पढ़ाने और लिखें)



cha chha ja jha ña

च छ ज झ ञ



ṭa ṭha ḍa ḍha ṇa

ट ठ ड ढ ण



ta tha da dha na

त थ द ध न



pa pha ba bha ma

प फ ब भ म



ya ra la va

य र ल व



śa śa sa ha

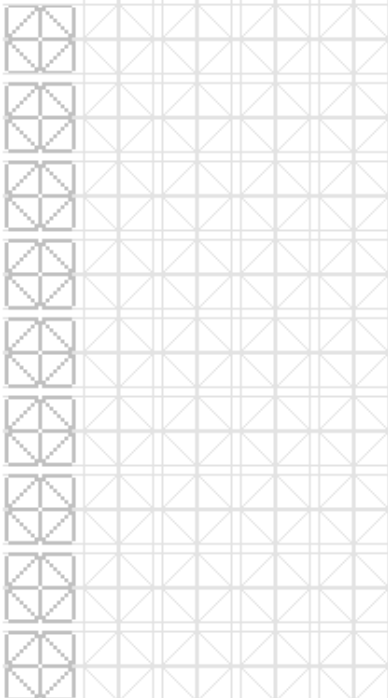
श ष स ह



Practice this (अभ्यास करें):

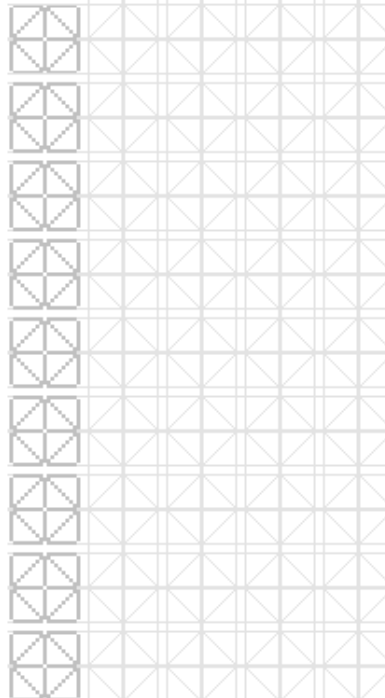
cha chha ja jha ña

च छ ज झ ञ



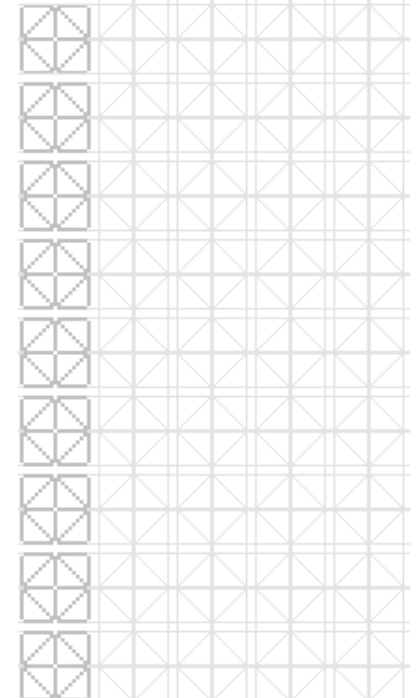
ṭa ṭha ḍa ḍha ṇa

ट ठ ड ढ ण



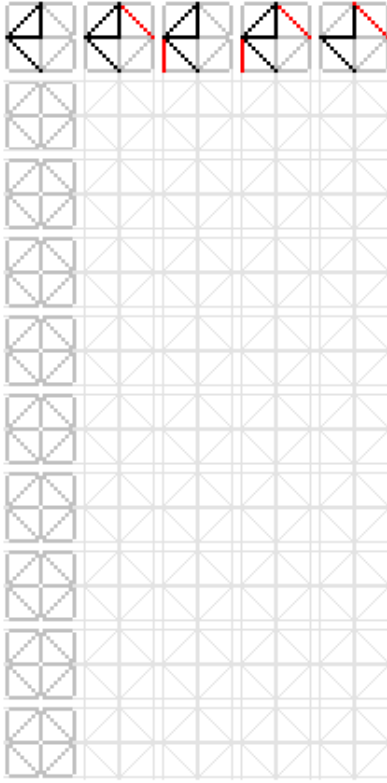
ta tha da dha na

त थ द ध न



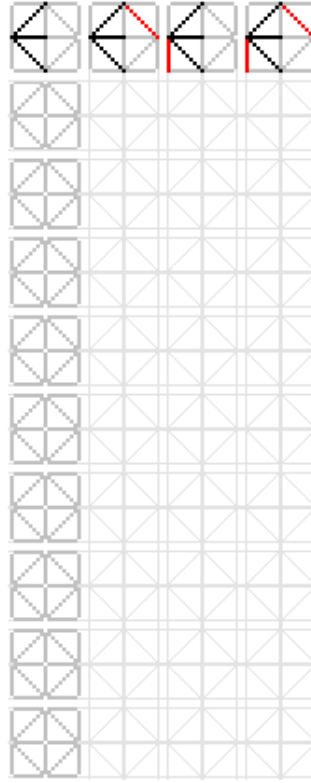
pa pha ba bha ma

प फ ब भ म



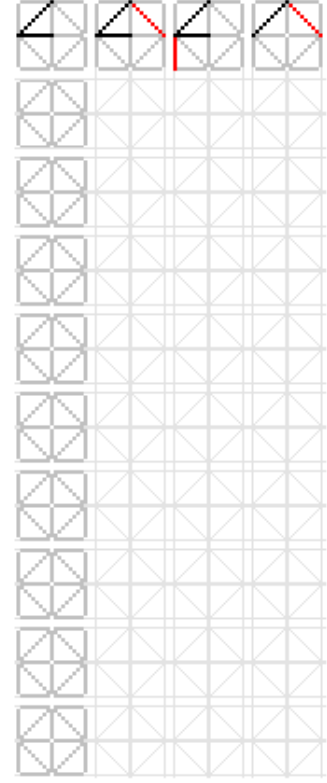
ya ra la va

य र ल व



śa ṣa sa ha

श ष स ह



Write the following on your own (स्वयं लिखें):

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






















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Recognise and write (पढ़ाने और लिखें):

















































































































































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  Halant	  Purna Viram	  Nukta	Examples :
  Chandra Bindu	  Anusvara / Bindu	  Visarg	      
			      
			      



















































Practice this (अभ्यास करे):

Recognise and write (पढ़चाने और लिखे):

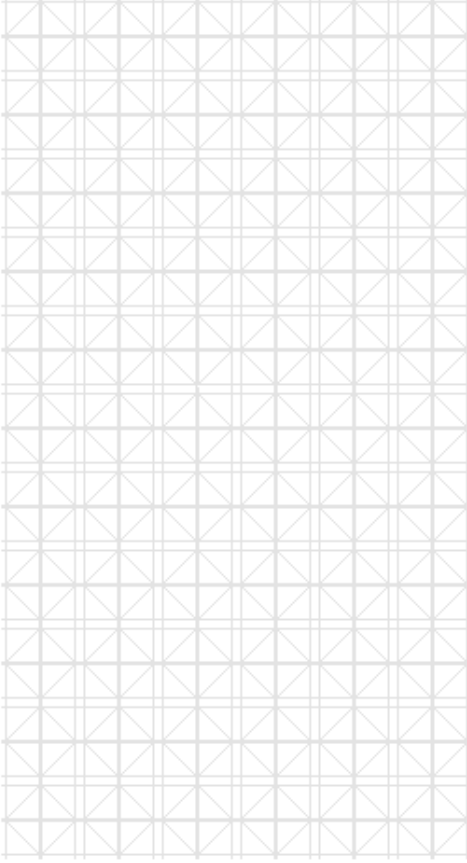
	
	
	
	
	
	
	
	
	

Write the following on your own (स्वयं लिखे):

Practice this (अभ्यास करें):

क क़ न ण फ़ ण



Recognise and write (पढ़ाने और लिखें):



Write the following on your own (स्वयं लिखें):

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क
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न

Practice this (अभ्यास करे):

दे
सौ
नि
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पाँ
र
रु
रु

रो
शु
पि
ने
धी
भू
ना
टाँ

पू
जी
छु
डी
डी
लु
आँ
धू

लो
काँ
दौ
चे
धु
तो
सी
बी

Write the following on your own (स्वयं लिखे):

नाँ
पु
ची
लि
ऊ
नो
धि
शे

मि
बे
वा
सो
बे
टे
नु
यू

बा
दो
ला
जु
ति
भा
भै
पो

सु
पाँ
जो
हू
मु
रो
नि
ली

Recognise and write (पहचाने और लिखे):

दो
सौ
नि
झ
पाँ
र
रु

रो
शु
पि
ने
धी
भू
ना

पू
जी
छु
डी
डी
लु
आँ

लो
काँ
दौ
चे
धु
तो
सी

क्ष
र्ष
र्गी
ष्टी
स्ट्रे
ग्नू
क्त

ज
स्वा
ट्रि
र्ष
ष्ट्र
र्षि
प्र

त्र
द्रा
क्रि
श्च
प्रा
पृ
संग

तृ
र्ष
ल्प
न्ना
ष्ट
र्ज
त्यं

Write the following on your own (स्वयं लिखे):

स्ट्रे
शी
स्व
श्रा
द्ध
र्तिक
धृति
न्द्र

गाँधी
त्रिका
ज
मातृ
संन्य
ष्ण
सर्ज
द्र

जात
कम
गंगा
श्चि
क्ष
यो
द्वार
र्थी

क्षिक
यंती
कुरु
र्या
क्द्र
श्री
द्वार
पूर्णा

Recognise and write (पढ़वाने और लिखे):

क्ष
र्ष
र्गी
ष्टी
स्ट्रे
ग्नू
क्त

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स्वा
ट्रि
र्ष
ष्ट्र
र्षि
प्र

त्र
द्रा
क्रि
श्च
प्रा
पृ
संग

Test Paper 1

पुण्य
अर्पित
सम्पूर्ण
धार्मिक
प्रयोग
उत्कृष्ट
स्वर्ण
ग्रहण
नक्षत्र
वर्चस्व
मॉडर्न
कोर्ट
सुप्रीम
चन्द्र
वृद्धि
निर्देश
प्रत्यक्ष
इन्द्र
मिश्रण
मोक्ष
स्रोत
लक्ष्मी
अतृप्त
उत्कर्ष
मुहूर्त

कब्रिस्तान
राष्ट्रपति
सुखिया
प्रतिष्ठा
पृष्ठभूमि
न्यूयार्क
राष्ट्रीय
कर्नाटक
विश्वासमत
येदुरप्पा
प्रासंगिकता
निर्धारित
सैद्धांतिक
उत्तरदायित्व
मध्यवर्गीय
अतिशयोक्ति
प्रादेशिक
वृश्चिक
मध्याह्नकाल
उज्जायिनी
मत्स्येन्द्र
तत्पश्चात्
मुख्यमंत्री
उपस्थिति
नियंत्रण

