Phase 10 Formatted Existence Phenomenon

Phase 10.5 Panini Ashtadhyayi Sutras Step 1

-Varanmala (वर्ण माला) to Akashar Samamnaye (अक्षर सम्मनाय) Step 2

Forty two Varan / Akshar and Forty two Pratyaharas

- 1. Panini Ashtadhyayi
- 2. (Ten, Twenty and Thirty) Place values systems Sathapatya
- 3. Varna (वर्ण / letter) and Akshar (अक्षर / syllable)
- 4. Rik (ऋकू), Yajur (यर्ज़्), Sam (साम) and Atharav (अथर्व)
- 5. Varanmala (वर्ण माला) to Akashar Samamnaye (अक्षर सम्मनाय)
- 6. Hyper Cube 6
- 7. Forty Coordinates fixation of Creative Boundary of ten components
- 8. Every letter (Varan / Akshara) is of Sathapatya of distinct features and values
- 9. Each letter (Varana) is having specific Sathan and Prayatan
- 10. Ashtadhyayi Text is Sathapatya based
- 11. Sathapatya Measuring Rod and Rope
- 12.Shareer (शरीर / Body), Surya (सूर्य/ Sun) and Dhurav (धुव्र/ Polestar)
- 13. One illustration of the Present reach of scholars to the Ashtadhayi

Sanghya ($\[e \]$) avails pair of letters i. ($\[e \]$) ii. ($\[e \]$). The letter ($\[e \]$) is a varga consonants. It is first letter of third row. Its placement value is '3'. Its Sathapatya is 3-space as dimension as dimensional order of 5-space. The letter ($\[e \]$) is the second vowel its value is 2. Its Sathapatya is a dimensional frame of 2-space of a pair of dimensions of zero order. The pair of letters, as such, are to be sequentially approached as per above features. Like that, is to be the start with comprehension of the Sanghyas ' $\[e \]$ '.

To be continued in the following PDF documents 10.6 onwards.

Phase 10 Formatted Existence Phenomenon

Phase 10.5 Panini Ashtadhyayi Sutras Step 1

-Varanmala (वर्ण माला) to Akashar Samamnaye (अक्षर सम्मनाय) Step 2

Forty two Varan / Akshar and Forty two Pratyaharas

I

Panini Ashtadhyayi

- 1. Panini Ashtadhyayi is a scripture of Vyakaran Vedanga.
- 2. TCV (वेद / Ved) = 20 = D7, 7-space content.
- 3. TCV (वेदाङ / Vedang) = 30 = H8, full unit body of 8-space.

II

(Ten, Twenty and Thirty) Place values systems Sathapatya

- 4. Ten place value organization system of counting numbers are of Sathapatya format of creative (4-space) boundary of ten components of transcendental (5-space) domain.
- 5. Hyper cube 5 (H5) is of four folds (3, 4, 5, 6) manifestation within 4-space.
- 6. Domain boundary set up of Hyper cube 5 (H5) is A⁵:
- 7. Ten place value system is of 9 numerals, parallel with 9 versions of Hyper Cube 4, the representative regular bodies of 9 geometries of 4-space.



8. Nine numerals of ten place value system are of Sathapatya of 9 versions of Hyper Cube 4 / 9 geometries of 4-space.

- 9. Four space is of spatial order: 2-space Sathapatya of axis of dimensional frame of 4-space.
- 10. Twenty place value set up is of 19 numerals, parallel with 19 versions of Hyper cube 20, the representative regular bodies of 19 geometries of 9-space.
- 11. Ninteen numerals of 20 place value system are of Sathapatya of 19 versions of Hyper Cube 9 / 19 geometries of 9-space.
- 12. Origin fold of Hyper cube 4 is of Sathapatya of solid order 5-space.
- 13. Thirty place value system is of 29 numerals, parallel with 29 versions of Hyper cube 14 / 29 geoemetries of 14-space.
- 14. Ten place value '20' is '30' in 20 place value system, and is '30' in '20' place value system.

III

Varna (वर्ण / letter) and Akshar (अक्षर / syllable)

- 15. TCV (वर्ण) = 18 = H5, full unit body of four folds (3, 4, 5, 6) of summation value '18' in 4-space.
- 16.TCV (अक्षर) = $13 = h \ 3 \ 1/2$, half unit body of four folds ($2\frac{1}{2}$, $3\frac{1}{2}$, 4) of summation value '13'.
- 17.'18' = 13 + 5; $H5 = h 3 \frac{1}{2} + h 2 \frac{1}{2}$.
- 18. TCV (ऋकृ / Rik) = 5.
- 19.Rik (ऋक्) is the bridge (सेतु / Setu) over the gap between '(वर्ण and (अक्षर)
- 20.TCV (ऋक्) = 5, प॰च Panch; TCV (प॰च) = 15; TCV (सेतु) = 16.
- 21. There are 15 gaps between 1 to 16 range.
- 22. There are 33 factors of values range 1 to 18; 33 = 18 + 15

IV

Rik (ऋक्), Yajur (यर्जु), Sam (साम) and Atharav (अथर्व)

23. TCV (ऋक्) = 5, TCV (यर्जु) = 11, TCV (साम) = 15, TCV (अथर्व)=17 5 + 11 + 15 + 17 = 48 = 2 x 4 x 6, parallel with spatial (2-space) dimension of creator (4-space) dimension of self referral (6-space) domain.

V

Varanmala (वर्ण माला) to Akashar Samamnaye (अक्षर सम्मनाय)

- 24. Devagri varanmala is a set up of 50 letters.
- 25.Of these 50 letters, there are 9 vowels, 33 consonants and 8 yamas

Devnagri Varanmala

देवनागरीं वर्णमाला

Nine vowels

अ इउऋल्एओ ऐऔ 1 2 3 4 5 6 7 8 9

Thirty three consonants

5 x 5 Varga consonants

 市 堰 町 埕 票 1
 2
 3
 4
 5

 च छ ज झ ञ 2
 3
 4
 5
 6

 ट ठ ड ढ़ ण 3
 4
 5
 6
 7

 त थ द ध न 4
 5
 6
 7
 8

 प फ ब भ म 5
 6
 7
 8

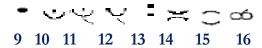
Anthstha letters:

यरलव1 3 5 7

Ushmana letters:

श स ष ह 2 3 6 9

Eight Yama letters



- 26. Nine vowels and Thirty three consonants, forty two varnas are forty two akshras.
- 27. Number value 42 accepts organization 6 x 7.
- 28. Seven space is origin of Six-space.

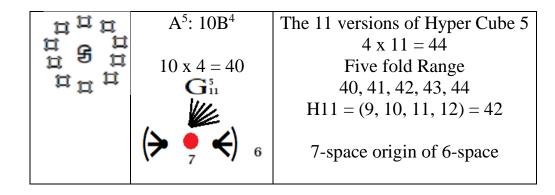
VI Hyper Cube - 6

- 29. Six space manifests its full unit body within 4-space of four folds (4, 5, 6, 7).
- 30. Seven Space manifests its full unit body within 4-space of four folds (5, 6, 7, 8)
- 31. Domain boundary set up of Hyper cube 7 is $A^7:14B^6$.
- 32. There are 14 Maheshwara Sutras.

Maheshwara Sutras C0 = Serial number, C1 = Sutra Text

C0	C1	C0	C1	C0	C1
1	अइउण्	2	ऋ लृ क्	3	ए ओ ड्.
4	ऐ औ च्	5	हयवरट	6	ल ण्
7	ञ म इ ण न म्	8	झ भ ञ	9	घढ़ धष्
10	जबगडदश्	11	ख फ छ ठ थ च ट त व्	12	कपय
13	शषसर	14	ह ल्		

VII Forty Coordinates fixation of Creative Boundary of ten components



33. Transcendental space, Paramvihom (परमव्योम्) is of TCV (परमव्योम्) = 44, of dimension value 42. Different scholars accept 41, 42, 43 or 44 Pratayaharas of 14 Maheshwara Sutras being accepted by Panini Ashtadhyayi.

Pratayaharas

<u>C0 = Serial number, C1 = Pratyahara, C2 = Varan / Letters,</u> <u>C3 = illustrative reference in Ashtadheyeye Text</u>

	प्रत्याहार	सञ्ज्ञी —वर्षा	उदाहरसा		
1	व्यय्	च, इ, उ।	उरसरपर		
2	অক	थ, इ, उ, ऋ, जृ।	श्रक सवर्थे दीर्घ		
3	इक्	इ, उ, घर, जु।	इको यखचि		
4	उक्	उ, ऋ, सृ।	उगितरच		
5	पृङ्	ए, भो।	एक पदान्तादति		
6	श्रच्	सम्पूर्ण स्वर	इको यस् श्रचि		
7	इच	'स्र' को छोड कर सब	स्वर। नाद्इचि		
8:	पृच्	ए, घो, ऐ, घौ।	एचोऽयवायाव		
9	पेख्	पे, भी।	बृद्धिराद् ऐष्		
10	श्चट्	स्वर, इ,य, ब, र।	चट्कुप्वाङ्नुम्म्यवायेऽ पि		
11	श्रग्	स्वर, ह, ग्रन्त स्थ ।	अखुदि सवर्णस्य चाप्रत्यय		
12	इस्	'श्र' को छोड स्वर, ह, श्रन्त स्थ ।	इस वीध्वलुड्लिटा घोद्गात्		
13	यण्	ग्रन्त स्थ ।	इको यण् श्रचि		
14	श्रम्	स्वर, ह, ग्रन्त स्थ, वर्गपञ्चम।	पुम खयि+श्रम्परे*		
15	यम्	ग्रन्त स्थ, वर्गपञ्चम ।	हलो यमा यमि लोप		
16	नम्	वर्गपन्चम ।	जमन्1ाड्ड		
17	डम्	ङ, स्, न।	ङमो इस्वादचि इमुण्नित्यम्		
18	यञ्	च्चन्त स्थ, वर्गपञ्चम, म, भ।	ग्रतो दीर्घो यत्रि		
19	म्मष्	वर्ग-चतुर्थं ।	एकाचो बशो भष भषन्तस्य स्थ्यो		
20	भव्	'म' को छोड वर्ग-चतुर्य ।	एकाचो बशो भर्०		
21	ध्रश्	स्वर, ह, ग्रन्त स्थ, वर्गों के ४,४,	३। भोभगोग्रघोग्रपूर्वस्य योऽशि		
22	हश्	ह, श्रन्त स्थ, वर्गों के ४,४,३।	हिश च		
23	वश्	व, र, ल, वर्गों के २,४,३।	नेड्वशि कृति		
24	जस्	वर्ग-तृतीय ।	कता जशोऽन्ते		
25	भ्रम्	वर्गों के चतुर्थं, तृतीय ।	मला जश् मशि		

26	वश्	ब, ग, ,इ, द।	एकाचो बशो भष्०
27	ञ्च	्छ, ठ, थ, च, ट, त।	नरखुवि+श्रप्रशान्
28	यय	ग्रन्त स्थ, सब वर्ग।	धनुस्वारस्य ययि परसवर्ण
29	मय्	'त्र' को छोड कर सब वर्ग ।	मय उन्नो वो वा
30	मय्	वर्गों के ४र्थ, ३य, २य, प्रथर	त । सयो होऽन्यतरस्याम्
31	खय्	वर्गों के प्रथम द्वितीय।	पुम खयि+श्रम्परे
33	यर्	अन्त स्थ, वर्ग, श, ष, स ।	यरोऽनुनासिकेऽनुनासिको वा
34	मर्	वर्गों के ४, ३, २, १, श, ष, स	मतो मति सवर्यो
35	खर्	वर्गों के १, २, श, ष, स।	खरि च
36	चर्	वर्गों के १, श, प, स ।	श्रम्यासे चर् च
37	शर्	श, ष, स।	ड्यो कुक्दुक्शरि
38	भ्रज्	सब स्वर, सब ब्यब्जन ।	श्रलोऽन्त्यस्य
39	हल्	सब व्यञ्जन।	हलोऽनन्तरा सयोग
40	वल्	'य' को छोड सब व्यव्जन ।	लोपो व्योर्वेलि
41	रल	'य' 'व' छोड सब ब्यष्जन ।	रत्नो व्युपधान्नतादे सश्च
42	मल्	वर्गों के ४, ३, २, १, ऊष्म।	मलो मलि
43	शल्	अप्म वर्ग ।	शज्ज इगुपधादनिट क्य
44	¥	र, ल।	उरण् र-पर इसे कई वैया-
			करण स्वीकार नहीं करते हैं।

VIII

Every letter (Varan / Akshara) is of Sathapatya of distinct features and values

- 34. Varana / Aksharas carry along with them Sathapatya format values and features at their base, while they acquire further transcendental Sathapatya features while organized as Pratayahara of Maheshwara Sutras.
- 35. As Varanas (letters) of Devnagri alphabet, as has been tabulated above, each letter / varana is of specific placement value. The values 1 to 16 are of parallel Sathapatya:

C0 = Value C1 = Sathapatya

C0	C1	
1	h ½	
2	H1	
3	h1	
4	D3	

C0	C 1		
5	h 1 ½		
6	H2		
7	h2		
8	D4		

C0	C1
9	h 2 ½
10	Н3
11	h3
12	-D5

C0	C1	
13	h 3 ½	
14	H4	
15	h4	
16	D6	

IX
Each letter (Varana) is having specific Sathan and Prayatan

36. There are 10 Sathans and 11 Prayatans. Hereunder are the tables of Sathan and Pratyatan

Table 1
10 Sathans of Ucaharan

क •ठः	तालु	ओच्ठौ	मूर्धा	दन्ता;	नासिका	कण्ठतालु	कण्ठोड्ठम्	वन्तोष्ठम्	जिह्ना०
अ	5	उ	ऋ	ल्	ञ्	y	ओ	व्	<u></u> ≍∓
वर्	च्	प्	ट्	त्	म्	रं र	ओ		 ≍ ^{rq}
स् ।	छ्	फ्	ठ्	થ્	হ	75 . 12		P	1
ग् ।	ज्	ब्	ड्	द्	ण्	Mr. D	37		2.
घ्	भ्	भ्	ढ्	ध्	न्	317			
ङ्	স্	म्	ण्	न्	-	No.	ani		
ह्	य्	≍d	र्	ल्		1. 3	+ - 4		5
6	য়্	 ≍क	प्	स्		1700	+ 1	7 7	

Table 2
Five External Prayatan of Ucaharan

(२) अथ आभ्यन्तर-यत्न-बोधक-चन्नम्

स्पृष्टम्	ईषत्स्पृष्टम्	विवृतम्	ईचद्विवृतम्	संवृतम्
क्ष्ग्ष् इ च्छ्ज्भ्म्	य् व्	अ ए इ ओ	ष्	ह्रस्वस्य अवर्णस्य
द ३ इ इ ण्	₹-	उ ऐ	π	उच्चारणकाले
त्थ्द्ध्न् प्फ्ब्भ्म्	न्	ऋ ं औ पृ	no s	केवलम्

Table 3
Eleven Inernal Prayatan of Ucaharan

(३) अथ बाह्य-यत्न-बोधक-चक्रम्

विवारः, इवासः अघोषः	संवारः, नादः, घोषः	अल्पप्राणः	महाप्राणः	उदात्तानुदात्त- स्वरिताः
क्ष् छ्र ठ्र थ्र फ्र क्ष् प्	म् ज्ञा ह्या म् म् व्या स्था स्था स्था स्था स्था स्था स्था स्थ	हं कं हा हा सिब से हा हा हा सा सा सा सा	्रा स्राह्म अर्थ अर्थ म्राह्म स्राह्म	स्वरिताः अ इ उ ऋ लृ ए
स्	ह. [सब स्वर]	स्वर] - ह	₹.	भौ

37.Creative (4-space) boundary of transcendental (5-space) domain is of ten components. And Hyper Cube 5 is of 11 versions.

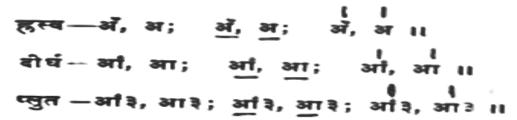


- 38. The origin of 3-space, i.e. 4-space is of Sathapatya H3+h3=10+11.
- 39.Swara (Vowel) first to fourth are of 18 Sathapatya features each and vowels 5 to 9 are of Sathapatya features 12 each.
- 40. These Sathapatya features tabulations are as under :-

Table 4
Of Sathapatya features of vowels

थ, इ, उ, च, मू	ब, इ, उ, ऋ, ए, ओ, ऐ, ओ	अ, इ, उ, ऋ, लृ, ए,ओ,ऐ,औ
२ ,, अनुदात्त अनुनासिक ३ ,,अनुदात्त अनुनासिक ४ ,, ,, अननुनासिक १ ,, स्वरित अनुनासिक	 ॥ ॥ अननुनासिक ॥ अनुदात्त अनुनासिक १० ॥ ॥ अननुनासिक ११ ॥ स्वरित अनुनासिक 	१३ प्लुत उदाल अनुनासिक १४ ,, अनुदाल अनुनासिक १५ ,, अनुदाल अनुनासिक १६ ,, ,, अनुनासिक १७ ,, स्वरित अनुनासिक १८ ,, ,, अननुनासिक

Table 5
Eighteen Sathapatya features script (Lipi) of first Vowel



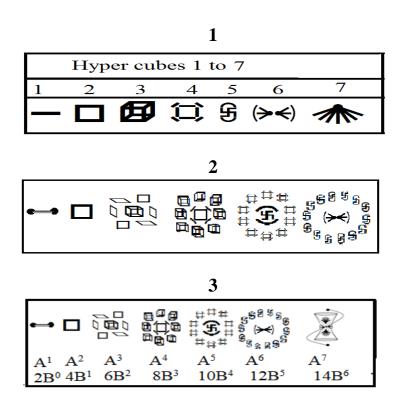
41.Likewise script (Lipi) tables are there and the Vedic Texts are adopting these script forms.

X Ashtadhyayi Text is Sathapatya based

42.Each Sangya (संज्ञा / noun), Paribhasha (परिभाषा), Vidhi (विधि), Niyam (नियम), Atidesh (अतिदेश) and Adhikar (अधिकार) of Sutras, Anubandhas (अनुबन्ध), Pratya (प्रत्यय), Prakrati (प्रकृति) and all phases of every step, in the text is Sathapatya based, and no Sangya (संज्ञा / noun) etc is artificial and without basis.

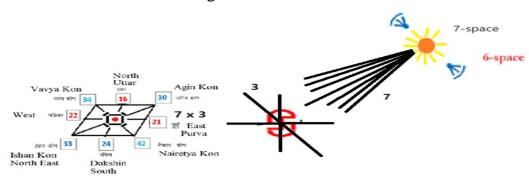
XI Sathapatya Measuring Rod and Rope

- 43. The Sathapatya measuring Rod is a synthetic set up of full unit Hyper cubes 1 to 6 and Sathapatya measuring rod is a synthetic units hyper cubes of four folds manifestations within 4-space. The space content as well is of four phases spectra in 4-space.
- 44. The Sathapatya measuring rod manifestation and transcendence features are the basis of Sangya (संज्ञा / noun), and all settled commands of the text. Hereunder are being tabulated some of these.

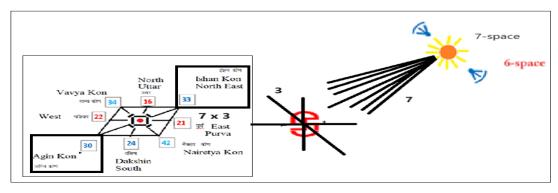


Hyper cube	Figure	Four folds	Total Value
1		(-1, 0, 1, 2)	2
2		(0, 1, 2, 3)	6
3	Ø	(1, 2, 3, 4)	10
4		(2, 3, 4, 5)	14
5	£	(3, 4, 5, 6)	18
6	(>≺)	(4, 5, 6, 7)	22
7	*	(5, 6, 7, 8)	26

5
Eight Directional frame



1	21	30	16	34	22	33	24	42	222
2	9	14	18	12	11	9	18	21	112
3	5	4	6	1	2	9	3	12	42
4	1	2	5	1	7	6	9	7	38
5	1	3	4	6	1	3	2	6	26
6	2	1	2	5	2	1	4	5	22
7	1	1	3	3	1	3	1	3	16
8	0	2	0	2	2	2	2	2	12
9	2	2	2	0	0	0	0	2	8
10	0	0	2	0	0	0	2	0	4
11	0	2	2	0	0	2	2	0	8
12	2	0	2	0	2	0	2	0	8
13	2	2	2	2	2	2	2	2	16
14	0	0	0	0	0	0	0	0	0
	46	63	64	66	52	70	71	102	534



1	21	33	16	34	22	30	24	42	222
2	12	17	18	12	8	6	18	21	112
3	5	1	6	4	2	12	3	9	42
4	4	5	2	2	10	9	6	4	42
5	1	3	0	8	1	3	2	0	18
6	2	3	8	7	2	1	2	1	26
7	1	5	1	5	1	1	1	1	16
8	4	4	4	4	0	0	0	0	16
9	0	0	0	4	0	0	0	4	8
10	0	0	4	4	0	0	4	4	16
11	0	4	0	4	0	4	0	4	16
12	4	4	4	4	4	4	4	4	32
13	0	0	0	0	0	0	0	0	0

Srimad Bhagwad Gita Study - Zone:										
a	a^2	a ³ ·	a ⁴	a ⁵	a ⁶	₁ a 5	a ²	a ³ ·	a ⁴	
2	4a	6a ²	8a ³	10a ⁴	12a ⁵	10a ⁴	8a	6a ²	$4a^2$	
٦		Ø		9 10x5=50	(><)	9 0x5=50	\Box			Г
21	42									
2x1	4x2	6x3		50x/=35	0/11/50	x7=350		6x3	4x2	2x1
=2 =2	=8	=18	=32		mw	١	8x4 =32	6x3 =18	4x2 =8	2x1 =2
	4x2 =8 Orbi	=18			-350=	١				

XII Shareer (शरीर / Body), Surya (सूर्य/ Sun) and Dhurav (धुव्र/ Polestar)

45.Existence Phenomenon chase, in the context is sounds which outflow from human body, light which outflows from the Sun and cyclic motion regulations emerge from Pole star in the role of origin / center of solar universe, when chased, the chase is of features:

TCV (शरीर) = 14	TCV (सूर्य) = 13	TCV (धुव्र) = 19				
TCV (नाद / Sound) = 17	TCV (प्रकाश/Light) = 13	TCV (चक्रगति/Cyclic motion) = 1				
14	13	19				
3	0	3				
17 ★	13 🔻	16				

Formulation (चक्रगति/Cyclic motion) Cyclic phases

1	2	1	1	1	1	3	1	4	2		16	16
2	1	0	0	0	2	2	3	2	0		10	26
3	1	0	0	2	0	1	1	2	1		8	34
4	1	0	2	2	1	0	1	1	0		8	42
5	1	2	0	1	1	1	0	1	1		8	50
6	1	2	1	0	0	1	1	0	0		6	56
7	1	1	1	0	1	0	1	0	1		6	62
8	0	0	1	1	1	1	1	1	0		6	68
9	0	1	0	0	0	0	0	1	0		2	70
10	1	1	0	0	0	0	1	1	0		4	74
11	0	1	0	0	0	1	0	1	1		4	78
12	1	1	0	0	1	1	1	0	1		6	84
13	0	1	0	1	0	0	1	1	0		4	88
14	1	1	1	1	0	1	0	1	0		6	94
15	0	0	0	1	1	1	1	1	1		6	100
16	0	0	1	0	0	0	0	0	1		2	102
17	0	1	1	0	0	0	0	1	1		4	106
18	1	0	1	0	0	0	1	0	1		4	110
19	1	1	1	0	0	1	1	1	0		6	116
20	0	0	1	0	1	0	0	1	1		4	120
21	0	1	1	1	1	0	1	0	1		6	126
22	1	0	0	0	1	1	1	1	1		6	132

The above cyclic tabulation of formulation Chakragati is of first eight foundational phases of total summation value 68, parallel with TCV (पच्चमहाभूतः/Panchmahabhut/five basic element, earth, water, fire, air, space) = 68. The cyclic phases 9 to 15 are of total summation value 32, parallel with 8 x 4 coordinates of solid boundary of 4-space, $32 = 2^5$, as well as range (1, 2, 3, 4, 5, 6) being of 32 frequency of occurrence of value 6. The cyclic phases 9 to 15, of value 32, are the repeated cyclic phases of seven phases range, 9 to 15, sixteen to twenty second phases and so on.

XIII One illustration of the Present reach of scholars to the Ashtadhayi

46.All available interpretation of Ashtadhyeyi, till date, may it be Kashika, Siddhant Komadi take it as if the Sanghya (संज्ञा), Anubandhas etc are just Kritrim (unnatural / without basis) and just defined and commanded for the system created by Panini. In the context, for the present, at this stage the prominent references are with respect to Sanghya (संज्ञा),

- 47.It is because of the approach not compatibale with Ancient Wisdom systems. There are four Vedas grouped as first three Rigved, Yajurved and Samved as Trividya, as the first group and four Athraved is the second group. The pure and applied values of Trividya are to be reached at in terms of the systems of Atharaved.
- 48. Further each Ved has Upved. Sathapatya Ved is the upved of Atharaved. The Atharaved and all other Vedas for their values are to be approached in terms of Values systems of Sathapatya upved.
- 49.Illustratively the above referred Sanghyas, are to be approached in terms of their letters / Akshras of the Sanghyas formulations.
- 50.Sanghya (टि) avails pair of letters i. (ट्) ii. (इ). The letter (ट्) is a varga consonants. It is first letter of third row. Its placement value is '3'.

Its Sathapatya is 3-space as dimension as dimensional order of 5-space. The letter (\S) is the second vowel its value is 2. Its Sathapatya is a dimensional frame of 2-space of a pair of dimensions of zero order. The pair of letters, as such, are to be sequentially approached as per above features. Like that, is to be the start with comprehension of the Sanghyas ' \Re '.

To be continued in the following PDF documents 10.6 onwards.

Dr. S. K. Kapoor 21-03-2025