

**List of VM Consolidated documents
of Dr. S. K. Kapoor**

**List 1 Different aspects of Vedic
Mathematics**

Aspect 17

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Aspect 17

**TRANSCENDENTAL
FORMULATIONS**

1

**TRANSCENDENTAL
FORMULATIONS**

Sadhakas (Students Scholars) fulfilled with intensity of urge to be parallel with Vedic knowledge systems shall visit transcendental formulations of designations of transcendental lord (Lord Shiv), presiding deity of transcendental space / 5-space) preserved as Shiv Shashtra nam Stotram.

To glimpse and imbibe the transcendental space (Param Vyom) (परमवियोम) impulses (Spandan) (स्पन्दन) lively within these formulations, one shall approach these formulations as per their transcendental code values (Divya Ank Vyastha) (दिव्य अङ्क व्यवस्था).

The first transcendental designation is (शिव). It has one word is associated value '1'. Further, as it is a composition of a pair of syllables (i) (शि), and (व), so it gets further association of value '2'. This pair of formulations avail quadruple letters (i) (श), (ii) (इ), (iii) (व), (iv) (अ), and as such this formulation acquires further association of value '4'.

Fourth association of value to this formulation is as per the placement value of its quadruple letters in devnagri alphabet format. These placemnt values of letters are their individual transcendental code values.

The quadruple letters ((i) (श), (ii) (इ), (iii) (व), (iv) (अ)) are having their transcendental code values (in short TCV) as following tabulation:

Letter	(श)	(इ)	(व)	(अ)
TCV	2	2	7	1

Summation value (2+2+7+1 = 12) of these TCV values of quadruple letters of formulation Shiv (शिव) becomes the transcendental code value (TCV of formulation शिव).

Let us have a pause here and take note that Devnagri Alphabet letters accept TCV values as per their placement, being tabulated here under:

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DEVNAGRI ALPHABET FORMAT Transcendental code values format

Vowels

Letter	अ	इ	उ	ऋ	लृ	ए	ओ	ऐ	औ
TCV values	1	2	3	4	5	6	7	8	9

Consonants

Letters	क	ख	ग	घ	ङ
TCV values	1	2	3	4	5

Letters	च	छ	ज	झ	ञ
TCV values	2	3	4	5	6

Letters	ट	ठ	ड	ढ	ण
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TCV values	3	4	5	6	7
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Letters	त	थ	द	ध	न
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TCV values	4	5	6	7	8
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Letters	प	फ	ब	भ	म
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TCV values	5	6	7	8	9
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Other letters

Letters	य	व	र	ल
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TCV values	1	3	5	7
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Letters	श	ष	स	ह
---------	---	---	---	---

TCV values	2	3	6	9
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Letters • ◌ ◌ ◌ ◌ ◌ ◌ ◌ ◌

TCV values 9 10 11 12 13 14 15 16

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VALUES FORMULATIONS

TCV values range comes to be a values range 1 to 16.

This values range takes to values formulations, as are being tabulated here under as column 2. These formulations lead to TCV values as are being tabulated as column 3

Val ue	Formulation	TCV
1	एक	6+1+1 = 8
2	द्वय	6+7+1+1+1 = 16
3	त्रय	4+1+1+1+1 = 8
4	चर्तु	2+1+2+4+3 = 12
5	पञ्च	5+1+6+2+1 = 15
6	षष्ट	6+1+3 = 10
7	सप्त	3+1+5+4+1 = 14
8	अष्ट	1+6+3+1 = 11
9	नव	8+1+7+1 = 17

10	दश	6+1+2+1 = 10
11	एकादश	6+1+2+6+1+2+1 = 19
12	द्वादश	6+7+2+6+2+2 = 25
13	त्रयोदश	4+1+1+1+7+6+1+2+1 = 24
14	चतुर्दश	2+1+2+4+3+6+1+2+1 = 22
15	पञ्चदश	5+1+6+2+1+6+1+2+1 = 25
16	षोडशदश	6+7+5+1+2+1 = 22

The TCV value of formulation (एक) = 8 becomes the FTCV (formulation transcendental code value) of value one. Likewise FTC value of values range 1 to 16 are the TCV values of their corresponding values.

For focused attention, at the cost of repetition, the following tabulation is being reproduced.

Value	Formulation	FTCV
1	एक	8
2	द्वय	16
3	त्रय	8
4	चर्तु	12
5	पञ्च	15
6	षष्ट	10
7	सप्त	14
8	अष्ट	11
9	नव	17
10	दश	10
11	एकादश	19
12	द्वादश	25
13	त्रयोदश	24
14	चर्तुदश	22
15	पञ्चदश	25
16	षोडशदश	22

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FTC OF FORMULATION SHIV

Here under is being tabulated FTC of formulation (Shiv)

Letters	TCV Value	FTCV	Total
(श)	2	16	16
(इ)	2	16	32
(व्)	7	14	46
(अ)	1	8	54

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HYPER FORMAT VALUES OF LETTERS (HTCV)

Corresponding to TCV value of letter is its hyper format of value of corresponding hyper cube.

Here under is being tabulated HTC values for TCV values range 1 to 16 of devnagri alphabet letters.

TCV value	Hyper cube	HTCV
1	Hyper cube-1 (-1, 0, 1, 2)	(-1, 0, 1, 2) = 2
2	Hyper cube-2 (0, 1, 2, 3)	(0, 1, 2, 3) = 6
3	Hyper cube-3 (1, 2, 3, 4)	(1, 2, 3, 4) = 10
4	Hyper cube-4 (2, 3, 4, 5)	(2, 3, 4, 5) = 14
5	Hyper cube-5 (3, 4, 5, 6)	(3, 4, 5, 6) = 18
6	Hyper cube-6 (4, 5, 6, 7)	(4, 5, 6, 7) = 22
7	Hyper cube-7 (5, 6, 7, 8)	(5, 6, 7, 8) = 26
8	Hyper cube-8 (6, 7, 8, 9)	(6, 7, 8, 9) = 30

9	Hyper cube-9 (7, 8, 9, 10)	(7, 8, 9, 10) = 34
10	Hyper cube-10 (8, 9, 10, 11)	(8, 9, 10, 11) = 38
11	Hyper cube-11 (9, 10, 11, 12)	(9, 10, 11, 12) = 42
12	Hyper cube-12 (10, 11, 12, 13)	(10, 11, 12, 13) = 46
13	Hyper cube-13 (11, 12, 13, 14)	(11, 12, 13, 14) = 50
14	Hyper cube-14 (12, 13, 14, 15)	(12, 13, 14, 15) = 54
15	Hyper cube-15 (13, 14, 15, 16)	(13, 14, 15, 16) = 58
16	Hyper cube-16 (14, 15, 16, 17)	(14, 15, 16, 17) = 62

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HTCV OF FORMULATION SHIV

Here under is reached at HTCVC of formulation Shiv

Letters	TCV Value	Hyper cube	HTCV
(श)	2	Hyper cube 2	6
(इ)	2	Hyper cube 2	6
(व)	7	Hyper cube 7	26
(अ)	1	Hyper cube 1	2

Total HTCVC = 6+6+26+2 = 40

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TRANSCENDENTAL RANGES

Corresponding to TCV values range are transcendental ranges, being tabulated here under:

TCV Value	Transcendental range	TRV
1	(1, 2, 3, 4, 5)	15
2	(2, 3, 4, 5, 6)	20
3	(3, 4, 5, 6, 7)	25

4	(4, 5, 6, 7, 8)	30
5	(5, 6, 7, 8, 9)	35
6	(6, 7, 8, 9, 10)	40
7	(7, 8, 9, 10, 11)	45
8	(8, 9, 10, 11, 12)	50
9	(9, 10, 11, 12, 13)	55
10	(10, 11, 12, 13, 14)	60
11	(11, 12, 13, 14, 15)	65
12	(12, 13, 14, 15, 16)	70
13	(13, 14, 15, 16, 17)	75
14	(14, 15, 16, 17, 18)	80
15	(15, 16, 17, 18, 19)	85
16	(16, 17, 18, 19, 20)	90

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TRV OF FORMULATION SHIV

Here below is tabulated TRV of formulation Shiv.

Letters	TCV Value	Transcendental range	TRV
(श)	2	(2, 3, 4, 5, 6)	20
(इ)	2	(2, 3, 4, 5, 6)	20
(व)	7	(7, 8, 9, 10, 11)	45
(अ)	1	(1, 2, 3, 4, 5)	15

Total TR Value = 20+20+45+15 = 100

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SYNTHESIS OF TRANSCENDENTAL RANGES OF SAME ORDER

Transcendental ranges of same order synthesis. Here under are being tabulated the synthesis of pair of transcendence range of same order.

C1 = Transcendental range of given order,

C2 = Value of transcendence range of given order, C3 = Synthesis value of a pair of transcendence ranges of same order,

C4 = Synthesis value

C1	C2	C3	C4
TR-1	(1, 2, 3, 4, 5) = 15	15+1+15	31
TR-2	(2, 3, 4, 5, 6) = 20	20+2+20	42
TR-3	(3, 4, 5, 6, 7) = 25	25+3+25	53
TR-4	(4, 5, 6, 7, 8) = 30	30+4+30	64
TR-5	(5, 6, 7, 8, 9) = 35	35+5+35	75
TR-6	(6, 7, 8, 9, 10) = 40	40+6+40	86
TR-7	(7, 8, 9, 10, 11) = 45	45+7+45	97
TR-8	(8, 9, 10, 11, 12) = 50	50+8+50	108
TR-9	(9, 10, 11, 12, 13) = 55	55+9+55	119
TR-10	(10, 11, 12, 13, 14) = 60	60+10+60	130
TR-11	(11, 12, 13, 14, 15) = 65	65+11+65	141
TR-12	(12, 13, 14, 15, 16) = 70	70+12+70	152
TR-13	(13, 14, 15, 16, 17) = 75	75+13+75	163
TR-14	(14, 15, 16, 17, 18) = 80	80+14+80	174
TR-15	(15, 16, 17, 18, 19) = 85	85+15+85	185
TR-16	(16, 17, 18, 19, 20) = 90	90+16+90	196

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SYNTHESIS VALUE OF TRANSCENDENCE RANGES PAIRS OF FORMULATION SHIV

Here under is tabulated the synthesis value of pair of transcendence range of formulation Shiv.

S1 = Letter, S2 = TCV value of letter, S3 = Corresponding range, S4 = Synthesis value of pair of transcendence ranges.

S1	S2	S3	S4
(श)	2	TR-2	42
(इ)	2	TR-2	42
(व)	7	TR-7	97
(अ)	1	TR-1	31

Total TRSV (Synthesis value of transcendence range pairs of formulation Shiv) = 42+42+97+31 = 212.

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CONSOLIDATED TABLE OF FTCV, HTCv, TRV AND TRSV VALUES OF FORMULATION SHIV

Here under is tabulated quadruple value (FTCV, HTCv, TRV & TRSV) of formulation Shiv.

Sn	Name	Syllables TCV	Total TCV
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1	शिवः	=4+8	12
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S.	Value	Value	Total	G Total
3	FTCV	16+16+14+8	54	147
4	HTCV	6+6+26+2	40	207
5	TRV	20+20+45+15	100	307
6	TRSV	42+42+97+31	212	519

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BLISSFUL EXERCISE

It will be a blissful exercise to reach at quadruple values (FTCV, HTCV, TRV & TRSV) of formulation (हरः). The second transcendental designation of transcendental lord Shiv preserved in Shiv Shashtra nam Stotram. For convenient reference the tabulation is being reproduced here under for glimpsing successful reach of one's attempt for such tabulation.

2	हरः	=10+4	14
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S.	Value	Value	Total	G Total
3	FTCV	17+8+8+8	41	171
4	HTCV	34+2+10+2	48	219
5	TRV	55+15+35+15	120	319
6	TRSV	119+31+53+31	234	553

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THIRD TRANSCENDENTAL DESIGNATION

The third transcendental designation of transcendental lord Shiv, preserved in Shiv Shashtra nam Stotram.

Here below is reproduced the table of quadruple value (FTCV, HTCV, TRV & TRSV) of transcendental formulation (मृडः).

One shall reach at this tabulation in respect of formulation (मृडः) as well to have satisfaction of proper comprehension of reach steps of (FTCV, HTCV, TRV & TRSV) of given transcendental formulation.

3	मृडः	=13+6	19
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S. N	Value	Value	Total	G Total
3	FTCV	17+12+15+8	52	166
4	HTCV	34+14+18+2	68	234
5	TRV	55+30+35+15	135	369
6	TRSV	119+64+75+31	289	658

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TTCV VALUES

Transcendental formulations accept transcendence through its vowel and the same is designated as TTCV (transcendence through the vowels of formulation).

This transcendence through vowel is a reach from domain to its dimension of dimension.

Here under is being tabulated TTCV values in reference to first to ninth vowel (अ इ उ ऋ लृ ए ओ ऐ औ)

C1 = Vowel, C2 = TCV, C3 = transcendence to dimension of dimension, C4 = TTCV

C1	C2	C3	C4
(अ)	1	(1, -1, -3) 1x(-1)x(-3)	3
(इ)	2	(2, 0, -2) 2x0x(-2)	0
(उ)	3	(3, 1, -1) 3x1x(-1)	-3

(ऋ)	4	(4, 2, 0) 4x2x0	0
(ॠ)	5	(5, 3, 1) 5x3x1	15
(ऌ)	6	(6, 4, 2) 6x4x2	48
(ॡ)	7	(7, 5, 3) 7x5x3	105
(ॢ)	8	(8, 6, 4) 8x6x4	192
(ॣ)	9	(9, 7, 5) 9x7x5	315

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TTVC VALUE OF FORMULATION SHIV

Here under is being tabulated TTVC

S1 = Syllable, S2 = Vowel, S3 = TTVC, S4 = Total of TTVC

S1	S2	S3	S4
(शि)	(इ)	2x0	0
(व)	(अ)	7x(3)	21

Total TTVC of first syllable (शि) = (TCV of letter (श) x (TTVC of vowel (इ) = 2x0 = 0

Total TTVC value of syllable (व) = (TCV of letter (व) x (TTVC of vowel (अ) = 7x3 = 21.

Total TCV value of formulation Shiv becomes 0+21 = 21

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FFTCV

Each letter of the transcendental formulation has its frequency. The frequency value of letter (ॠ) is the TCV value of formulation (रिफ) = 3+6+6+1 = 16

This value (16) includes TCV value of letter (र) as well as such frequency value of letter (र) comes to be 16-3 = 13.

All other vowels and consonants of devnagri alphabet are having frequency value as TCV value of formulation (कारः) = 1+2+3+1+13 = 20.

The frequencies of yama letter (•) is the TCV value of formulations (अनुस्वार).

S1	S2 formulation of yama letters	S3 TCV of formulation	S4 FFTC of yama letters
•	अनुस्वार	28	28

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FFTC OF FORMULATION SHIV

Here under is tabulated FFTC of formulation Shiv

S1 letter	S2 TCV	S3 FTFCV	S4 Total
(श)	2	2+20 = 22	22
(इ)	2	2+20 = 22	44
(व)	7	7+20 = 27	71
(अ)	1	1+20 = 21	92

Total FTFCV of formulation Shiv = 92

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**SIX FOLD VALUES OF
TRANSCENDENTAL
FORMULATIONS**

Each transcendental formulation has TCV value which leads to six folds values. and, TCV value further leads to six folds, namely:

- (i) FTCV Formulations TCV
- (ii) TTCV Transcendence through vowels of the syllables
- (iii) FTCV TCV value of formulation of the value
- (iv) HTCv Hyper format of the TCV value
- (v) TRV Transcendental range value of the TCV value
- (vi) TRSV Synthesis value of the pair of transcendence ranges of the order of the TCV value

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**SIX FOLDS VALUES OF
FORMULATION SHIV (TCV 12)**

Sn	Name	Syllables TCV	Total TCV
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1	शिवः	=4+8	12
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S.	Value	Value	Total	G Total
1	FFTC	12+4x20	92	92
2	TTCV	0+7x3	21	113
3	FTCV	16+16+14+8	54	147
4	HTCV	6+6+26+2	40	207
5	TRV	20+20+45+15	100	307
6	TRSV	42+42+97+31	212	519

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**SIX FOLDS VALUE OF
FORMULATION HAR (TCV 14)**

2	हरः	=10+4	14
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S.	Value	Value	Total	G Total
1	FFTC	14+4x20	94	94
2	TTCV	9x3+3x3	36	130
3	FTCV	17+8+8+8	41	171
4	HTCV	34+2+10+2	48	219
5	TRV	55+15+35+15	120	319
6	TRSV	119+31+53+31	234	553

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**SIX FOLDS VALUE OF
FORMULATION मूढः (TCV 19)**

3	मूढः	=13+6	19
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S. N	Value	Value	Total	G Total
1	FFTC	19+4x20	99	99
2	TTCV	0+5x3	15	114
3	FTCV	17+12+15+8	52	166
4	HTCV	34+14+18+2	68	234
5	TRV	55+30+35+15	135	369
6	TRSV	119+64+75+31	289	658

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**BLISSFUL EXERCISE TO WRITE
COMPUTE PROGRAM FOR SIX
FOLDS VALUE OF**

TRANSCENDENTAL FORMULATION

It is a blissful exercise to write a computer program for reach at six folds value (FTCV Formulations TCV, TTCV Transcendence through vowels of the syllables, FTCV TCV value of formulation of the value, HTCV Hyper format of the TCV value, TRV Transcendental range value of the TCV value, TRSV Synthesis value of the pair of transcendence ranges of the order of the TCV value) for transcendental formulations of Shiv Shashtra nam Stotram.

HTCV, TRV & TRSV) of formulation Shiv being 519 which is parallel to the total letters of the entire text of 16 Ganita Sutras.

- (1) एकाधिकेन पूर्वेण। (2) निखिलं नवतश्चरमं दशतः।
- (3) ऊर्ध्वतिर्यग्भ्याम् । (4) परावर्त्य योजयेत्। (5) शून्यं साम्यसमुच्चये । (6) (आनुरूप्येद्ध) शून्यमन्यत्। (7) संकलनव्यवकलनाभ्याम्। (8) पूरणापूरणाभ्याम्। (9) चलनकलनाभ्याम्। (10) यावदूनम्। (11) व्यष्टिसमष्टिः।
- (12) शेषाण्यङ्केन चरमेण। (13) सोपान्त्यद्वयमन्तम् ।
- (14) एकन्यूनेन पूर्वेण। (15) गुणितसमुच्चयः। (16) गुणकसमुच्चयः।

■

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REACH WITH TCV AND TRVC VALUES PAIR

TRCV value manifest five folds flow format for the Divya Dravya (दिव्य द्रव्य) within Creator's space (4-space). This manifestation format leads us to opposite orientation range value = $(TRCV/5)-4$.

In reference to formulation shiv this values comes to be $[-(100/5-4)] = 16$.

Value (-16) together with value (12) as TCV value of formulation Shiv manifests organization format of $16+1+12 = 29$ units.

Value 29 is parallel to TCV (Brahma), over lord of creator's space (4-space).

One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features of this manifestation phenomenon.

One shall further glimpse and imbibe the summation value of quadruple value (FTCV,