

Phase 8
VALUES (Axioms & Postulates)
OF VEDIC GANITA SUTRAS

Phase 8.8
Ganita Sutra 7 and Ganita Upsutra 7

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Abstract

Ganita Sutra 7 is a specific mathematical domain in itself. Likewise, Ganita Uputras 7 as well is a specific mathematical domain in itself. Ganita Sutra 7 and Ganita Upsutra 7 complement and supplement each other and make a specific integrated mathematical domain. Further, transition from mathematical domain of Ganita Sutra 6 to Ganita Sutra 7 is along Ganita Upsutra 6 as a bridge. Ganita Upsutra 7 is a bridge for transition from mathematical domain of Ganita Sutra 7 to Ganita Sutra 8. Tables 1 to 14 are reached with respect to the text of both, Ganita Sutra 7 as well Ganita Uputra 7. However, here at present only one feature of Ganita Sutra 7 is being depicted as to the formulations

$$\text{TCV (संकलन / Sankalana)} = 13 + 17 = 30 = \text{TCV (अग्निकोण)} = \text{H8}$$

$$\text{TCV (व्यवकल / Vyavakalana)} = 17 + 17 = \text{TCV (वाव्यकोण)} = 34$$

Text : of Ganita Sutra 7

‘संकलनव्यवकलनाभ्याम्’ Sankalana-vyavakalana-bhyam (also a corollary)

It is a one word formulation. Ten folds of TCV value of the formulation are :

Table – 1

W = (Word), **S**=(Syllables), **L**=(Letters), **T**=(TCV value), **TT**=(Transcendence value), **FF**=(Pronouncing frequency value), **F**=(Formulation value) **H**=(Sathapatya value), **R**=(Transcendental range value), **SR**=(Synthesis of a pair of transcendental ranges value)

SN	1	2	3	4	5	6	7	8	9	10
Fold	W	S	L	T	TT	FF	F	H	R	SR
Value	1	10	24	91	169	571	269	316	695	1481

Table – 2
Letter wise split up table of fourth to tenth fold
C0 = Syllable, C1 = Letter

C0	C1	T	TT	FF	F	H	R	SR	
1	1	स्	3		23	8	10	25	53
	2	अ	1	9	21	8	2	15	31
	3	.	9	28	29	17	34	55	119
2	4	क्	4		24	12	14	30	64
	5	अ	1	12	21	8	2	15	31
3	6	ल्	5		25	15	18	35	75
	7	अ	1	15	21	8	2	15	31
4	8	न्	8		28	11	30	50	108
	9	अ	1	24	21	8	2	15	31
5	10	व्	7		27	14	26	45	97
	11	य्	1		21	8	2	15	31
	12	अ	1	24	21	8	2	15	31
6	13	व्	7		27	14	26	45	97
	14	अ	1	21	21	8	2	15	31
7	15	क्	4		24	12	14	30	64
	16	अ	1	12	21	8	2	15	31
8	17	ल्	5		25	15	18	35	75
	18	अ	1	15	21	8	2	15	31
9	19	न्	8		28	11	30	50	108
	20	आ	2	0	22	16	6	20	42
10	21	भ्	8		28	11	30	50	108
	22	य्	1		21	8	2	15	31
	23	आ	2	0	22	16	6	20	42
	24	म्	9	9	29	17	34	55	119

Table – 3

Cyclic phases of syllables of text of Ganita Sutra 7

1	13	2	6	9	9	7	2	6	10	20
2	11	4	3	0	2	5	4	4	10	7
3	7	1	3	2	3	1	0	6	3	4
4	6	2	1	1	2	1	6	3	1	3
5	4	1	0	1	1	5	3	2	2	3
6	3	1	1	0	4	2	1	0	1	1
7	2	0	1	4	2	1	1	1	0	2
8	2	1	3	2	1	0	0	1	2	0
9	1	2	1	1	1	0	1	1	2	2
10	1	1	0	0	1	1	0	1	0	1
11	0	1	0	1	0	1	1	1	1	0
12	1	1	1	1	1	0	0	0	1	0
13	0	0	0	0	1	0	0	1	1	1
14	0	0	0	1	1	0	1	0	0	1
15	0	0	1	0	1	1	1	0	1	1
16	0	1	1	1	0	0	1	1	0	1
17	1	0	0	1	0	1	0	1	1	1
18	1	0	1	1	1	1	1	0	0	0
19	1	1	0	0	0	0	1	0	0	1
20	0	1	0	0	0	1	1	0	1	0
21	1	1	0	0	1	0	1	1	1	0
22	0	1	0	1	1	1	0	0	1	1
23	1	1	1	0	0	1	0	1	0	1
24	0	0	1	0	1	1	1	1	1	0
25	0	1	1	1	0	0	0	0	1	0
26	1	0	0	1	0	0	0	1	1	0
27	1	0	1	1	0	0	1	0	1	1
28	1	1	0	1	0	1	1	1	0	0
29	0	1	1	1	1	0	0	1	0	1
30	1	0	0	0	1	0	1	1	1	1
31	1	0	0	1	1	1	0	0	0	0
32	1	0	1	0	0	1	0	0	0	1
33	1	1	1	0	1	1	0	0	1	0
34	0	0	1	0	0	1	0	1	1	1
35	0	1	1	0	1	1	1	0	0	1
36	1	0	1	1	0	0	1	0	1	1

Text : of Ganita Upsutra 7

‘यावदूनं तावदूनीकृत्य वर्गं च योजयेत् ।’ Yavadunam Tavadunikritya Vargam cha Yojayet

Table 4
Formulation ‘यावदूनं’
TCV Ten folds table

-N	1	2	3	4	5	6	7	8	9	10
Fold	W	S	L	T	TT	FF	F	H	R	SR
Value	1	4	9	41	342	221	102	146	295	631

Table 5

First word of the text of Ganita Upsutra 7 ‘यावदूनं’
Six cycles grand total of six phases is 147

1	3	8	12	18	41
2	5	4	6	15	30
3	1	2	11	10	24
4	1	9	1	9	20
5	8	8	8	8	32
6	0	0	0	0	147

Table 6
Formulation ‘तावदूनीकृत्य’
TCV Ten folds table

SN	1	2	3	4	5	6	7	8	9	10
Fold	W	S	L	T	TT	FF	F	H	R	SR
Value	1	10	22	52	324	312	145	182	390	832

Table 7

Second word of the text of Ganita Upsutra 7 ‘तावदूनीकृत्य’
19 cycles grand total of 19 phases is 164

1	6	8	12	12	5	6	49
2	2	4	0	7	1	0	14
3	2	4	7	6	1	2	22
4	2	3	1	5	1	0	12
5	1	2	4	4	1	2	14

6	1	2	0	3	1	1	8
7	1	2	3	2	0	0	8
8	1	1	1	2	0	1	6
9	0	0	1	2	1	0	4
10	0	1	1	1	1	0	4
11	0	0	0	0	1	0	1
12	0	0	0	1	1	0	2
13	0	0	1	0	1	0	2
14	0	1	1	1	1	0	4
15	1	0	0	0	1	0	2
16	1	0	0	1	1	1	4
17	1	0	1	0	0	0	2
18	1	1	1	0	0	1	4
19	0	0	1	0	1	0	2
							164

Table 8
Formulation 'वर्ग'
TCV Ten folds table

SN	1	2	3	4	5	6	7	8	9	10
Fold	W	S	L	T	TT	FF	F	H	R	SR
Value	1	2	6	28	71	155	46	84	180	384

Table 9
Third word of the text of Ganita Upsutra 7 'वर्ग'

1	8	16	24
2	8	8	16
3	0	0	40

Table 10
Formulation 'च'
TCV Ten folds table

SN	1	2	3	4	5	6	7	8	9	10
Fold	W	S	L	T	TT	FF	F	H	R	SR
Value	1	1	2	3	6	43	24	8	35	73

Table 11
Fourth word of the text of Ganita Upsutra 7 'च'

1	2	1	3
2	1	1	2
3	0	0	5

Table 12
Formulation 'योजयेत्'
TCV Ten folds table

SN	1	2	3	4	5	6	7	8	9	10
Fold	W	S	L	T	TT	FF	F	H	R	SR
Value	1	3	7	24	169	164	72	82	190	404

Table 13
Fifth word of the text of Ganita Upsutra 7 'योजयेत्'

1	8	5	11	24
2	3	6	3	12
3	3	3	0	6
4	0	3	3	6
5	0	0	3	3
6	0	3	3	6
				57

Table 14
Consolidated table of complete text of Ganita Uputra 7

SN	1	2	3	4	5	6	7	8	9	10
Fold	W	S	L	T	TT	FF	F	H	R	SR
Value	5	20	46	148	912	895	389	502	1090	2324

Placement in integrated format

Ganita Sutra 7 and Ganita Upsutra 7 are of placements at serial number 13 and 14 in integrated format of 16 Ganita Sutras and 13 Ganita Uputras. Sathapatya of value 13 is of features of 13 geometries of 6-space (G_{13}^6). Sathapatya of value 14 is of features of

14 components of boundary of 7-space ($A^7:14B^6$). Value 14 is also parallel with summation value of four folds of H^4 (2, 3, 4, 5).

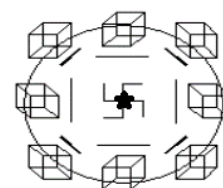
Ganita Sutra 7 is a specific mathematical domain in itself. Likewise, Ganita Uputras 7 as well is a specific mathematical domain in itself. Ganita Sutra 7 and Ganita Upsutra 7 complement and supplement each other and make a specific integrated mathematical domain. Further, transition from mathematical domain of Ganita Sutra 6 to Ganita Sutra 7 is along Ganita Upsutra 6 as a bridge. Ganita Upsutra 7 is a bridge for transition from mathematical domain of Ganita Sutra 7 to Ganita Sutra 8.

Ten TCV folds of text words formulations

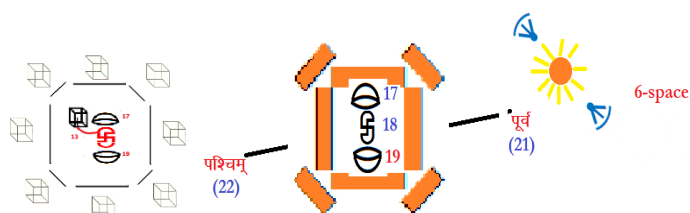
Each formulation of text of Sutra and Upsutra, is of 10 TCV values fold and of specific Cyclic phases. The transition sequentially takes place TCV value fold wise, as well as of cyclic phases. This, that way, unfolds a very rich mathematical domain, and is basis base of organization of Vedic knowledge of existence phenomenon in its entirety to have comprehensive view of how this basis base is lively as a format of organization of 18 Puranas. The existence phenomenon domain is being chased as 14 Manvantars Sathapatya. Each manvantar is of distinct Manu, Sapt Rishi, Devtas, Indra and the deities of specific domains.

Self referral (6-space) boundary of 7-space

This is of the format of self referral (6-space) boundary of 14 components of 7-space. 6-space is of a creative (4-space) order. 7-space is of a transcendental (5-space) order. 4-space is of a spatial order. 5-space is of a solid order.



Zero state manifestation is of 5-space at the origin of 4-space. The spatial order of 4-space splits 5-space domain into its northern and southern



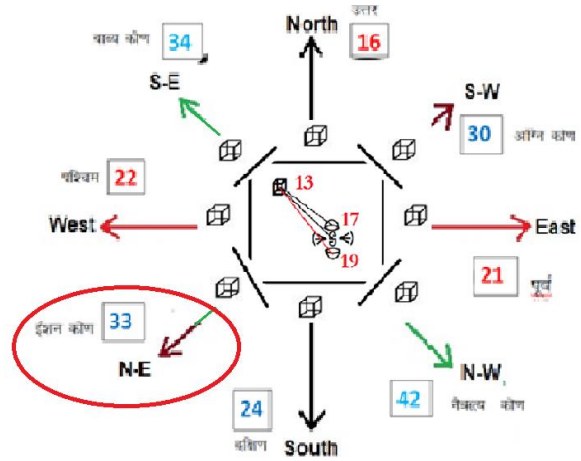
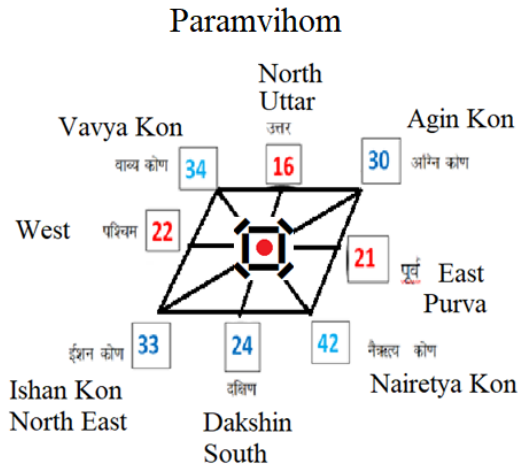
hemisphere of values pair (17, 19), as a first phase and second inner phase of values pair (13, 17).

Solar universe (6-space) is of cyclic phases because of the Pole star (7-space) dynamic state. The values pair (13, 17) as of summation value $13 + 17 = 30$ is parallel with the Sathapatya of four folds (6, 7, 8, 9) of Hyper cube 8.

$$\text{TCV (संकलन / Sankalana)} = 13 + 17 = 30 = \text{TCV (अग्नि कोण) = H8}$$

$$\text{TCV (व्यवकल / Vyavakalana)} = 17 + 17 = 34 = \text{TCV (वाव्य कोण) = 34}$$

Manifestation of Chatuspeeth in transcendental space



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