

Phase 12
Vedas and Vedic Ganita Sutras & Upsutras

12.1
Vedas and Vedic Ganita Sutras & Upsutras

1. Vedic Ganita Sutras & Upsutras Text
2. Integrated format of Ganita Sutras and Upsutra
3. Consolidated structural components table of text data of Sutras and
Upsutras
4. Text avails 36 distinct letters of Devnagri alphabet
5. 46 Words formulation

6. Amrit Nad Upnishad Mantra 2 basis base of Ganita Sutra 2

Shaloka 1

Simple rendering, Simple rendering in English, Knowledge by reading of
scriptures, Sathapatya

Shaloka 2

Simple rendering, Simple rendering in English, Knowledge by reading by
text of mantra, Sathapatya

7. Meditate upon Sathapatya feature of Text of Ganita Sutra 2

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I
Vedic Ganita Sutras & Upsutras Text

Ganita Sutras are 16 and Upsutras are 13. Values pair (16, 13) is inherently unified as that numbers range 1 to 16 is of $29 = (16 + 13)$ factors. The Ganita Sutras as well as Ganita Upsutras, both constitute self sustained domains. The value 29 is parallel with TCV (ब्रह्मा / Brahma) = 29. The integrated format of Ganita Sutras and Upsutras is of 29 steps. The Domain Discipline being Ganit (गणित), TCV (गणित / Ganit) = 18, its overlord is Ganesh (गणेश), TCV (गणेश) = 20; the values pair (18, 20) is of values and features parallel with 18 as dimension and 20 as domain.

2
Integrated format of Ganita Sutras and Upsutras



Prayer of Sadkhas fulfilled with urge
to be parallel with Vedic Mathematics

Om Gang Ganpate Namah ॐ गं गणपते नमः

GS1	एकाधिकेन पूर्वेण ।
GU1	आनुरूप्येण ।
GS2	निखिलं नवतश्चरमं दशतः
GU2	शिष्यते शेषसंज्ञः ।
GS3	ऊर्ध्वतिर्यग्भ्याम्
GU3	आद्यमाद्येनान्त्यमन्त्येन
GS4	परावर्त्यं योजयेत् ।
GU4	केवलैः सप्तकं गुण्यात् ।
GS5	शून्यं साम्यसमुच्चये
GU5	वेष्टनम् ।
GS6	(आनुरूप्ये) शून्यमन्यत् ।
GU6	यावदूनं तावदूनम् ।
GS7	संकलनव्यवकलनाभ्याम् ।
GU7	यावदूनं तावदूनीकृत्य वर्गं च योजयेत् ।
GS8	पूरणापूरणाभ्याम् ।
GU8	अन्त्ययोर्दशकेऽपि ।

GS10	चलनकलनाभ्याम् ।
GU9	यावदूनम् ।
GS11	अन्त्ययोरेव ।
GU10	व्यष्टिसमष्टिः ।
GS12	समुच्चयगुणितः ।
GU11	शेषाण्यङ्केन चरमेण ।
GS13	लोपनस्थपनाभ्याम् ।
GU12	सोपान्त्यद्वयमन्त्यम् ।
GS14	विलोकनम् ।
GU13	एकन्यूनेन पूर्वेण ।
GS15	गुणितसमुच्चयः समुच्चयगुणितः ।
GS16	गुणितसमुच्चयः गुणकसमुच्चयः ।
Om Tat Sat Iti Nirdesha	
ॐ तत् सत् इति निर्देशः	

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**Consolidated structural components table
of text data of Sutras and Upsutras**

	Sutra	Words	Syllables	Letters	TCV
GS 1	एकाधिकेन पूर्वेण ।	2	8	16	68
GU 1	आनुरूप्येण ।	1	5	10	42
GS 2	निखिलं नवतश्चरमं दशतः	3	12	28	107
GU 2	शिष्यते शेषसंज्ञः ।	2	7	18	74
GS 3	ऊर्ध्वतिर्यग्भ्याम्	1	5	15	56
GU 3	आद्यमाद्येनान्त्यमन्त्येन	1	9	23	96
GS 4	परावर्त्य योजयेत् ।	2	7	17	51
GU 4	केवलैः सप्तकं गुण्यात् ।	3	8	21	86
GS 5	शून्यं साम्यसमुच्चये	2	8	20	71
GU 5	वेष्टनम् ।	1	3	08	41
GS 6	(आनुरूप्ये) शून्यमन्यत् ।	2	8	19	76
GU 6	यावदूनं तावदूनम् ।	2	8	18	85
GS 7	संकलनव्यवकलनाभ्याम् ।	1	10	24	85
GU 7	यावदूनं तावदूनीकृत्य वर्गं च योजयेत् ।	5	16	37	140
GS 8	पूरणापूरणाभ्याम् ।	1	6	16	68
GS 9	चलनकलनाभ्याम् ।	1	7	16	56
GU 8	अन्त्ययोर्दशकेऽपि ।	1	7	16 (17)	50 (51)
GS 10	यावदूनम् ।	1	4	9	41
GU 9	अन्त्ययोरेव ।	1	5	11	40
GS 11	व्यष्टिसमष्टिः ।	1	5	14	58
GU 10	समुच्चयगुणितः ।	1	7	16	56
GS 12	शेषाण्यङ्केन चरमेण ।	2	8	20	76
GU 11	लोपनस्थपनाभ्याम् ।	1	7	17	66
GS 13	सोपान्त्यद्वयमन्त्यम्	1	7	20	80
GU 12	विलोकनम् ।	1	4	09	41
GS 14	एकन्यूनेन पूर्वेण ।	2	8	17	80
GU 13	गुणितसमुच्चयः समुच्चयगुणितः ।	2	14	32	112
GS 15	गुणितसमुच्चयः	1	7	16	56
GS 16	गुणकसमुच्चयः ।	1	7	16	52

4


Text avails 36 distinct letters of Devnagri alphabet

Nine vowels with TCV values **total value**
 अ इ उ ऋ लृ ए ओ ऐ औ **10**
 1 2 3 4 5 6 7 8 9

5 x 5 Varga consonants with TCV values **total value**
 क ख ग घ ङ 1 2 3 4 5 **16**
 च छ ज झ ञ 2 3 4 5 6
 ट ठ ड ढ 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 9

Anthstha letters: with TCV values **total value**
 य र ल व 1 3 5 7 **4**

Ushmana letters: with TCV values **total value**
 श स ष ह 2 3 6 9 **3**

Yama letters with TCV values **total value**
 **2**
 9 10 11 12 13 14 15 16

Table

Swara		Varga		Antstha		Ushmana		Yama	Total
10	+	16	+	4	+	3	+	2	= 36

36 Distinct Letters

of letters of the text with TCV value

C1 = SN, serial number of the letter, C2 = letter, C3 = TCV value of the letter

SN	Letter	TCV
1	अ	1
2	आ	2
3	इ	2
4	ई	4
5	उ	3
6	ऊ	6
-7	ऋ	4
8	ए	6
9	ओ	7
10	ऐ	8
11	ॐ	9
12	ॐ	13
SN	Letter	TCV
13	क्	1
14	ख्	2
15	ग्	3

16	ङ्	5
17	च	2
18	ज	4
19	ञ	6
20	ट्	3
21	ण्	7
22	त्	4
23	थ्	5
24	द्	6
SN	Letter	TCV
25	ध्	7
26	न्	8
27	प्	5
28	भ्	8
29	म्	9
30	य्	1
31	र्	3

32	ल्	5
33	व्	7
34	श्	2
35	स्	3
36	ष्	6

5
46 Words formulation

Sutra		Words
एकाधिकेन	पूर्वेण ।	2
आनुरूप्येण ।		1
निखिलं	नवतश्चरमं दशतः	3
शिष्यते शेषसंज्ञः ।		2
ऊर्ध्वतिर्यगभ्याम्		1
आद्यमाद्येनान्त्यमन्त्येन		1
परावर्त्य	योजयेत् ।	2
केवलैः	सप्तकं गुण्यात् ।	3
शून्यं	साम्यसमुच्चये	2
वेष्टनम् ।		1
(आनुरूप्ये)	शून्यमन्यत् ।	2
यावदूनं	तावदूनम् ।	2
संकलनव्यवकलनाभ्याम् ।		1
यावदूनं	तावदूनीकृत्य वर्गं च योजयेत् ।	5
पूरणापूरणाभ्याम् ।		1
चलनकलनाभ्याम् ।		1
अन्त्ययोर्दशकेऽपि ।		1
यावदूनम् ।		1
अन्त्ययोरेव ।		1
व्यष्टिसमष्टिः ।		1
समुच्चयगुणितः ।		1
शेषाण्यङ्केन	चरमेण ।	2
लोपनस्थपनाभ्याम् ।		1
सोपान्त्यद्वयमन्त्यम्		1
विलोकनम् ।		1
एकन्यूनेन	पूर्वेण ।	2
गुणितसमुच्चयः	समुच्चयगुणितः ।	2
गुणितसमुच्चयः		1
गुणकसमुच्चयः ।		1
Total		46

6

Amrit Nad Upnishad**Mantra 2 basis base of Ganita Sutra 2****Shaloka 1**

‘शास्त्राण्यधीत्य मेधावी अभ्यस्य च पुनः पुनः

परमं ब्रह्म विज्ञाय उल्कावत्तन्यथोत्सृजेत् । १ ।

Simple rendering

परम ज्ञानवान मनुष्य का यह कर्तव्य है कि वह शास्त्रादि का अध्ययन करके बारम्बार उनका अभ्यास करते हुए ब्रह्म विद्या की प्राप्ति करें। विधुत् की कान्ति के समान क्षण-भङ्गुर इस जीवन को आलस्य प्रमाद में नष्ट न करें।”

Simple rendering in English

The wise, having studied the Shastras and reflected on them again and again and having come to know Brahman, should abandon them all like a fire-brand.

Knowledge by reading of scriptures

Reading us scriptures equips mind with ‘information’ like as that there is a mundane body (Sathul Shareer), Subtle body (Suksham Shareer), Casual body (Karan Shareer) and beyond that there is a Turia State. To fully comprehend, mind is to be fulfilled with intelligence which equips one reaching at Sathapatya just by observation (Viloknam). No amount of information without repetitive practice (Abhayaas / Dhyaan) and detachment (variyaagaya). Informative mind is not of Sathapatya of Existence Phenomenon reach base. When scholars were compiling Vedas and having been confronted with text of Ganita Sutras, they just could not make any sense out of the same. They just ignored the text as their informative mind simply could not make any mathematics out of the Sutras text. Swami Bharti Krishna Tirtha ji Maharaj approached the text through the touchtone of prolonged meditation practiced by him and the text unfolded itself for mind fulfilled with intelligence by prolonged mediatation.

Sathapatya

The knowledge acquired by reading scriptures is to be followed by repetitive practice of meditation (Dhyan). This phase and stage of Dhyan is parallel with mind to be fulfilled with ‘intelligence’. It is this phase and stage of mind fulfilled with intelligence which of its own takes, from peri pheri / enterence point / Dwar (द्वार

/ door), TCV (द्वार / door) = 19, permissible entry within Bhuwan (भुवन/ Bhuwan), TCV (भुवन/ Bhuwan) = 28 = TCV (ब्रह्म / Braham) / Brahman domain.

For one to be parallel with Sathapatya of Mantra 2 of Amritnad Upnishad. It is not only reading of text of Mantra 2 but by following the technique being preserved here in the Mantra. The technique of repetitive practice of meditation (Dhyaan), which initially takes uptill the middle of the enlightenment domain. This is a reach uptill entry point / Dwaar / door of Brahman domain / Bhuwan and the enlightenment preserved in the mantra is that from that point onward, the entry in the Bhuwan follows of its own because of the Sathapatya of Braham. The Brahman chariot takes uptill the door of Brahman domain. It is at this stage that one is to get down from the chariot, as here onwards is the phenomenon of Brahman of its own providing entry in Brahman domain for mind fulfilled with intelligence.

Shaloka 2

ओंकाररथमारुह्य विष्णुं कृत्वाथ सारथिम्

ब्रह्मलोकपदान्वेषी रूद्राराधनतत्परः । २ ।'

(1) ओंकार (2) रथ (3) मारुह्य (4) विष्णुं (5) कृत्वाथ (6) सारथिम्

(7) ब्रह्मलोक (8) पदान्वेषी (9) रूद्र-अराधनतत्परः

1. TCV (ओंकार) = 16 + 7
2. TCV (रथ) = 10
3. TCV (मारुह्य) = 11 + 9 + 11
4. TCV (विष्णुं) = 25 + 9
5. TCV (कृत्वाथ) = 24
6. TCV (सारथिम्) = 16 + 9
7. TCV (ब्रह्मलोक) = 42
8. TCV (पदान्वेषी) = 45
9. TCV (रूद्र-अराधनतत्परः) = 17 + 55

Simple rendering

ॐ कार रूपी रथ में आरुढ़ होकर तथा भगवान् विष्णु को अपना सारथि बनाकर ब्रह्मलोक के परमपद का चिन्तन करता हुआ ज्ञानी पुरुष देवाधिदेव भगवान् रूद्र की उपासना में तल्लीन रहे ।

Simple rendering in English

Having ascended the car of Om with Vishnu (the Higher Self) as the charioteer,

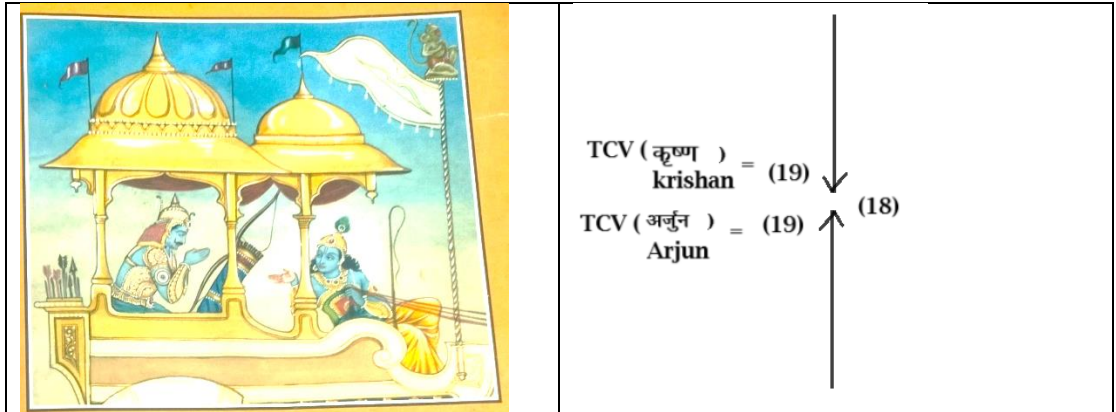
one wishing to go to the seat of Brahmaloaka intent on the worship of Rudra, should go in the chariot so long as he can go.

Knowledge by reading the text of the Mantra

The reading simply equips the mind with informative data. For to be parallel with Sathapatya one is to be meditate and to perfectly fulfilled the mind with intelligence. Text words and formulations composed with letters of the alphabet as constituents. Letters as constituents of word formulations carry along with them the placement features and values of respective letters. Letters together unifying their features values and the same takes to the parallel Sathapatya manifested components. Mind fulfilled with intelligence with practice of meditation is a coverage uptill the middle point by ride of Brahman chariot beyond that Brahman domain of its own carries the mind fulfilled with intelligence into the Brahman domain and it is the phase and stage of Salokeya (सालोक्य) being in the same domain. From Salokeya there happen Samepeya of Jeev. TCV (जीव) = 16 = TCV (ॐ). From Samepeya, the phase and stage happens of its own being Sarupeya i.e. of same format feature as of Braham. Beyond there is phase and stage of Sayujeya, complete unification within the Brahman core. Hereunder are being formulated TCV values of the word formulation of the text components along with parallel manifested features of Sathapatya.

Sathapatya

1. Brahman Chariot (ब्रह्मरथ) = 38 = 19 + 19 = H10



2. Krishan is Vishnu incarnation. He is Sarthi on Brahman Chariot of Arjun who is of Sathapatya of mind and mind gets fulfilled with intelligence and Chariot takes uptill the Dwar (door) of Brahman domain (Bhuwan).

TCV (मन / Man / Mind) = 19 = h5

TCV (बुद्धि / Budhi / intelligence) = 25 = h 6 ½

TCV (विष्णु / Vishnu) = 25

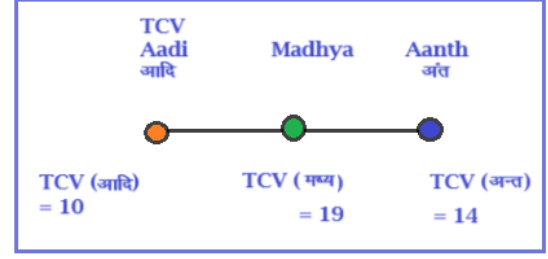
TCV (सारथी / Sarthi) = 14 = H4

TCV (शरीर / Sharir)

TCV (ध्यान / Dhyan) = 19 = h5

TCV (शरीर / Shareer) = 14 = H4

TCV (सत्ता) = TCV (क्षेत्र / Domain) = 19 = h5



3. TCV (आदि / Aadi / beginning / starting point) = 10 = TCV (रथ) ; a starting point / beginning of Brahman journey.

4. TCV (अन्त) = 14 = TCV (सत्ता)

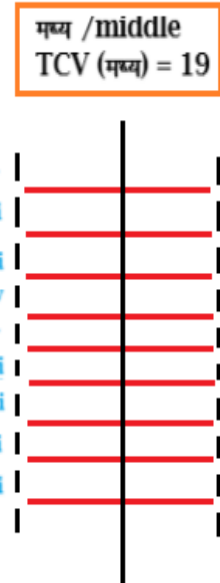
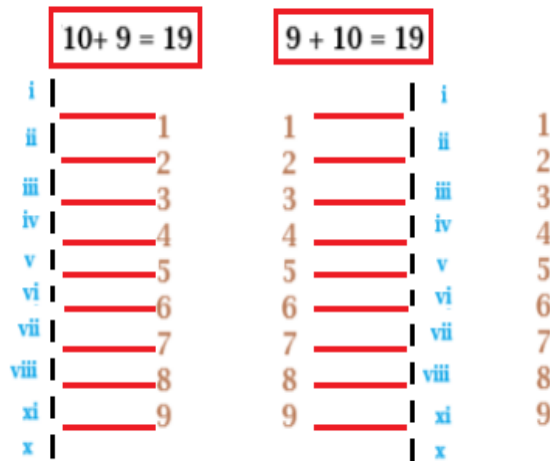
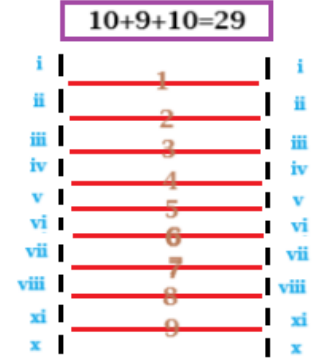
5. TCV (अनन्त) = 19

6. The Brahman manifestation expression,

$$\text{TCV (ब्रह्माण्ड)} = 43 = 10 + 19 + 14 = \text{H3} + \text{h5} + \text{H4}$$

7. Beginning to middle is TCV (आदि, मध्य) = 10 + 19 = 29 = h 7 ½

8. From Madhya to Aanta is domain range of Sathapatya features



7

Meditate upon Sathapatya feature of Text of Ganita Sutra 2

निखिलं नवतश्चरमं दशतः

TCV (निखिलं) = 29 = h 7 ½

TCV (नवतश्चरमं) = 50 = H13 = एकोनोविंशति Eknovinshayati = 19 = h5

TCV (दशतः) = 28 = D9

Brahman Chariot takes uptill the middle of Brahma and Braham with reach by riding along Brahman chariot uptill the middle. One is to get down from Brahman chariot as this phase and stage onwards Braham of its own takes charge of further existence phenomenon. Sadkhas have to adopt the technique of worship of Rudra which being worship of soul.

From fulfilment of mind with intelligence by Dhyaan to Jeev going to the shelter of soul is the enlightenment preserved here in mantra 2 of Amritnad Upnishad. TCV (अमृत) = 19 = TCV (ध्यान) and TCV (नाद) = 17 = TCV (रूद्र) = TCV (आत्मा).

TCV (उपनिषद्) = 32 = 4 x 8, Sathapatya of creators Sathapatya ($A^4: 8B^3$); $32 = 2^5$, $32 = F_{32}^6$ frequency of summation value 6 by choices from range 1, 2, 3, 4, 5, 6

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