

Phase 12
Vedas and Vedic Ganita Sutras & Upsutras

12.9 / 13.0
परम व्योम् स्थापत्य
Transcendental (5-space) Sathapatya

Abstract

Table of Factors format of Sutras and Upsutras

PART – 1

Ganita Sutra 8, Upsutras 3 and 4

Part A

A Introductory

1. Text of Sutras 8, 9, 10, 11 and Upsutras 3, 4, 5, 6 along factors format
2. Table of parallel format of Ganita Sutras (C1) Geeta Chapters (C2)
3. Placement of Sutras 8, 9, 10, 11 in integrated format of Sutras and Upsutras
4. Composition data of Sutras 8 to 11 and Upsutras 3 to 6
5. Placement of Sutras 8, 9, 10, 11, followed by respective Upsutras as per factors format, as well as integrated format
6. सूत्रार्थ Sutraarath / Meaning (s) of Sutras सूत्र क्रिया विस्तारने Sutra : Kriya Vistarne

Part B

Sutra 8 and Upsutras 3 & 4

1. Ganita Sutra 8
2. Upnishadic prayer
3. Upsutra 3 (आद्यमाद्येनान्त्यमन्त्येन)
4. Sutra 8 and Upsutra 4

Part – 2

Sutra 9 Upsutras 5 and 8 Geeta Chapter 18

Text and composition data

- 2.1 Ganita Sutra 9 and Ganita Upsutra 5
- 2.2 Ganita Sutra 9 and Upsutras 5 and 8
- 2.3 वेष्टनम् Vestnam

Part – 3

Sutra 10 Upsutras 6 and 9 Geeta Chapter 1

Text and composition data

- 3.1 Ganita Sutra 10 and Ganita Upsutra 6

PART – 4

Sutra 11 and Upsutras 6 & 10

- 4.1 Ganita Sutra 11
- 4.2 स्कन्द 11 अध्याय 24 Shalokas 9 to 12
- 4.3 Zero order axes synthesis values
- 4.4 Upsutra 10

5.1 In Continuity ..



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Vedas and Vedic Ganita Sutras & Upsutras

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Transcendental (5-space) Sathapatya

Abstract

1. Vedic Ganita Sutras mathematical domain unfolds itself in sequential interlinked phases. Ganita Sutras and Upsutras are of self sustained formats.
2. Simultaneously Ganita Sutras and Upsutras, complement and supplement themselves, along Integrated format of 29 phases.
3. Numbers range 1 to 16 is of 29 factors; value 29 is parallel with summation value of 16 (Sutras) and 13 (Upsutras) and further it is parallel with TCV (ब्रह्मा / Brahma / Creator overlord of 4-space).
4. Next phase of the organization format of Sutras and Upsutras, parallel with the placement of factors of numbers range 1 to 16, as is being tabulated hereunder

**Table of Factors format of
Sutras and Upsutras**

C0 = Numbers factors, C1 = Number of factors,
 C2 = Sutra followed by Sutras / Organization format of Sutras and
 Upsutras parallel with the sequence of factors of numbers 1 to 16;
 being designated as **Factors Format**

C0	C1	C2
1 = 1	1	Sutra 1
2 = 2	1	Sutra 2
3 = 3	1	Sutra 3
4 = 2x2	2	Sutra 4, Upsutra 1
5 = 5	1	Sutra 5
6 = 2x3	2	Sutra 6, Upsutra 2

$7 = 7$	1	Sutra 7
$8 = 2 \times 2 \times 2$	3	Sutra 8, Upsutra 3, Upsutra 4
$9 = 3 \times 3$	2	Sutra 9, Upsutra 5
$10 = 2 \times 5$	2	Sutra 10, Upsutra 6
$11 = 11$	1	Sutra 11
$12 = 2 \times 2 \times 3$	3	Sutra 12, Upsutra 7, Upsutra 8
$13 = 13$	1	Sutra 13
$14 = 2 \times 7$	2	Sutra 14, Upsutra 9
$15 = 3 \times 5$	2	Sutra 15, Upsutra 10
$16 = 2 \times 2 \times 2 \times 2$	4	Sutra 16, Upsutra 11, Upsutra 12 Upsutra 13

5. Here in this write up, Sutras 8, 9, 10, 11 along with Upsutra 3, 4, 5 & 6 are being taken up for their chase and location as per applications of these Sutras and Upsutras by Vedic scriptures. This write up is of four parts with sequential focus upon Sutras 8, 9, 10 and 11.

PART – 1

Ganita Sutra 8, Upsutras 3 and 4

Part - A

A Introductory

1 Text of Sutras 8, 9, 10, 11 and Upsutras 3, 4, 5, 6 along factors format

GS 8	पूरणापूरणाभ्याम् ।
	GU 3 आद्यमाद्येनान्त्यमन्त्येन
	GU 4 केवलैः सप्तकं गुण्यात् ।
	Geeta Chapter 17
GS 9	चलनकलनाभ्याम् ।
	GU 5 वेष्टनम् ।
	Geeta Chapter 18
GS 10	यावदूनम् ।
	GU 6 यावदूनं तावदूनम् ।
	Geeta Chapter 1
GS 11	व्यष्टिसमष्टिः ।
	Geeta Chapter 2

**2 Table of parallel format of
Ganita Sutras (C1) Geeta Chapters (C2)**

C1	C2
8	17
9	18
10	1
11	2

**3 Placement of Sutras 8, 9, 10, 11 in
integrated format of Sutras and Upsutras**

	Sutra	Words	Syllables	Letters	TCV
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

**4 Composition data of Sutras 8 to 11
and Upsutras 3 to 6**

	Sutra	Words	Syllables	Letters	TCV
GS 8	पूरणापूरणाभ्याम् ।	1	6	16	68
	GU 3 आद्यमाद्येनान्त्यमन्त्येन	1	9	23	96
	GU 4 केवलैः सप्तकं गुण्यात् ।	3	8	21	86
GS 9	चलनकलनाभ्याम् ।	1	7	16	56
	GU 5 वेष्टनम् ।	1	3	08	41
GS 10	यावदूनम् ।	1	4	9	41
	GU 6 यावदूनं तावदूनम् ।	2	8	18	85
GS 11	व्यष्टिसमष्टिः ।	1	5	14	58

5 Placement of Sutras 8, 9, 10, 11, followed by respective Upsutras as per factors format, as well as integrated format

GS 8	पूरणापूरणाभ्याम् ।	1	6	16	68
	GU 3 आद्यमाद्येनान्त्यमन्त्येन	1	9	23	96
	GU 4 केवलैः सप्तकं गुण्यात् ।	3	8	21	86
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	GU 6 यावदूनं तावदूनम् ।	2	8	18	85
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	GU 10 समुच्चयगुणितः ।	1	7	16	56

6 सूत्रार्थ Sutraarath / Meaning (s) of Sutras
सूत्र क्रिया विस्तारने Sutra : Kriya Vistarne

Table

Dhaatu of text of Sutras 8, 9, 10, 11

C0= Serial number, C1 = Dhaatu, C2 = Location in Dhaatugana Updesha

C0	C1	C2
1	वर्ण, चूर्ण, प्रेरणे ।	चु० प० से०
2	वर्ण, वर्णन, इत्येके ।	चु० प० से०
3	वर्ण, वर्णक्रियाविस्तारगुणवचनेषु	चु० उ० प०
4	अङ्क पदे लक्षणे च	अङ्क चु० उ० से०
5	अङ्ग च	अङ्ग चु० उ० से०
6	सूत्र, वेष्टने । विमोचन इत्यन्ये ।	329 चु० उ० से०
7	गुडि, वेष्टने । रक्षण इत्येके ।	चु० प० से०
8	वेष्ट, वेष्टने	भ्वा० आ० से०
9	वट, वेष्टने	भ्वा० प० से०

10	हेड, वेष्टने	चु० उ० से०
11	ऊन, परिहाणे	चु० उ० से०
12	कल, गल, आस्वादने शब्दसंख्यानयोः	भ्वा० आ० से०
13	कल विल, क्षेपे	चु० प० से०
14	कल, गल, आस्वादने ।	चु० उ० से०
15	कल, गतौ संख्याने च ।	चु० उ० से०
16	चल, कम्पने, भृतौ ।	भ्वा० प० से०
17	चल, विलसने ।	तू० प० से०
18	चल, भृतौ ।	चु० प० से०
19	गण, संख्याने ।	चु० उ० से०
20	वट, भट, परिभाषणे ।	भ्वा० प० से०
21	पट, वट, ग्रन्थे ।	चु० उ० से०

Part B

Sutra 8 and Upsutras 3 & 4

1. Ganita Sutra 8

GS 8	पूरणापूरणाभ्याम् ।	1	6	16	68
	GU 3 आद्यमाद्येनान्त्यमन्त्येन	1	9	23	96
	GU 4 केवलैः सप्तकं गुण्यात् ।	3	8	21	86

2. Upnishadic prayer

The upnishadic prayer well preserves formulation 'पूर्ण / Purnam' of completeness feature as are comprehended by mind as of 'INFINITY'.

ॐ पूर्णमदः पूर्णमिदं पूर्णात् पूर्णमुदच्यते ।
पूर्णस्य पूर्णमादाय पूर्णमेवावशिष्यते ॥

ॐ शान्तिः शान्तिः शान्तिः ॥

Om. That (supreme Brahman) is infinite, and this (conditioned Brahman) is infinite. The infinite (conditioned Brahman) proceeds from the infinite (supreme Brahman). (Then through knowledge), realizing the infinitude of the infinite (conditioned Brahman), it remains as the infinite (unconditioned Brahman) alone.

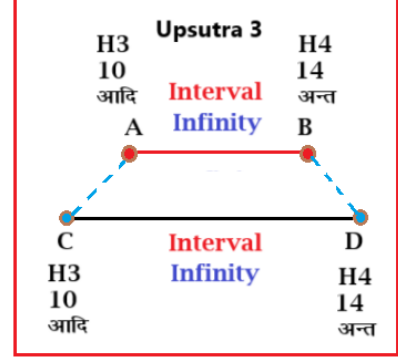
Om! Peace! Peace! Peace!

1. Upsutra 3 (आद्यमाद्येनान्त्यमन्त्येन)

Interval (line is a set up of infinite (points / constituents).

Interval may be small or big, it is a set up of infinite points (constitutents).

Upsutra 3 works out small and big intervals (infinities) with technique of formatting starting points of intervals and end points of intervals.



Close interval (पूरण / Puran / complete) is a set up of close interval and half close interval (अपूरण / Apuran / incomplete).

TCV (पूरण) = 23 = h6 and TCV (अपूरण) = 24 = D8 within transcendental space.

TCV (पूरण) and TCV (पूर्ण) are of same format, and the non transcendental space inequality disappears here in transcendental space.

Transcendental space values and formats accepts the equality rule with application of एकः न्यूनाधिक / one less or one more.

Srimad Bhagwad Mahapuran preserves this rule **एकः शिष्यते शेषसंज्ञः** in its **Sakad 10 Adheyeya 3 shaloka 25** of Sakada Puran

Jyotish Ganit in computations of planetary motions days calender, specifically apply the rule of 'न्यूनाधिक / Nuenadhik / one day more or less'

Sutra 8

Close interval
Synthesis set up

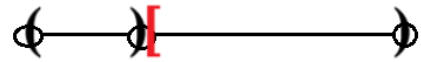


Close interval
Split as close interval
and half close interval



Sutra 8

Open Interval
Synthesis set up



Open Interval
Split as open interval
and half open interval



2. Sutra 8 and Upsutra 4

GS 8	पूरणापूरणाभ्याम् ।	1	6	16	68
	GU 4 केवलैः सप्तकं गुण्यात् ।	3	8	21	86

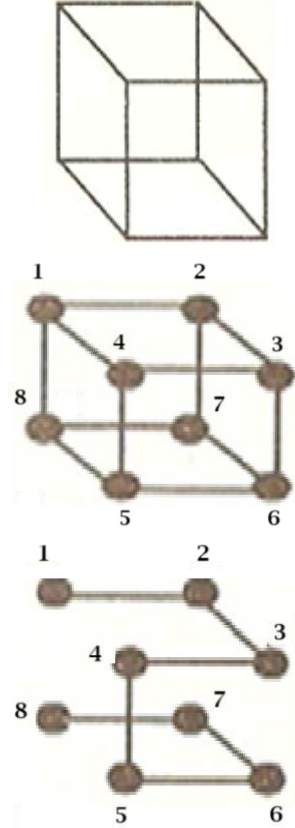
Cube (Hyper cube 3) is a linear order 3-space. Cube (Hyper cube 3) is a set up of eight corner points.

Eight corner points are coordinated by sequentially arranged seven edges.

It is this feature which is because of manifestation of linear order set up being of 7 versions of Hyper cube 3 and 7th power of linear order set up.

Upsutra 4 'केवलैः सप्तकं गुण्यात्।' mathematics is the mathematics of linear order reach being only uptill 7th power (A^7 / 7 edges manifestation) is there in this system and set up of linear order.


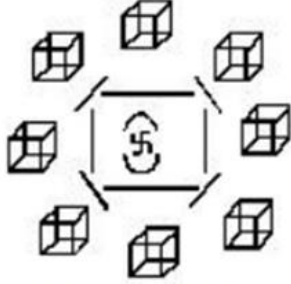
Ganita Sutra 8 and Ganita Uputra 4 when read together, focus upon this Sathapatya.



Ganita Sutra 8 and Ganita Uputras 3 and 4, together make a mathematics of linearly organized infinities as intervals of infinite points set up coordinating 8 corner points by 7 edges.

Swateshwara Upnishad in chapter 6 Kento 3 preserves the enlightenment as that transcendence from this manifestation restriction of linear order to spatial order is of sequence '1, 2, 3 and 8'.

तत्कर्म कृत्वा विनिवर्त्य भूयस्तत्त्वस्य तत्त्वेन स्मृत्य योगम् ।
एकेन द्वाभ्यां त्रिभिरष्टभिर्वा कालेन चैवात्मगुणैश्च सूक्ष्मैः ॥ ३ ॥

	
Lord Brahma	Hyper cube 4
Four heads	Four dimensions
Pair of eyes in each head	Spatial (2-space) dimension
Lotus seat of eight petals	Solid boundary of eight components
Seat within cavity of heart of Transcendental lord shiv (5 head lord)	5-space as origin fold of 4-space.

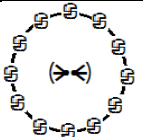
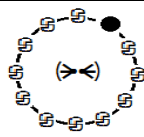
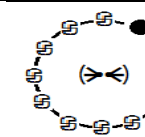
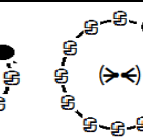
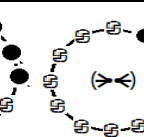
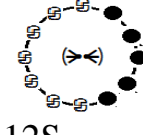
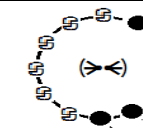
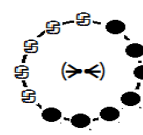

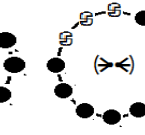
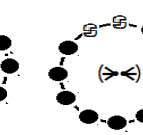
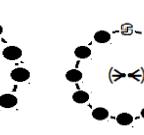
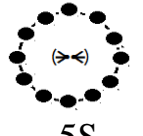
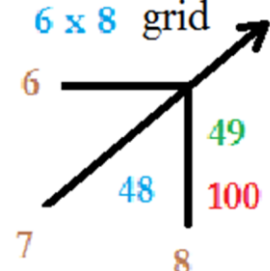
Part – 2

Sutra 9 Upsutras 5 and 8 Geeta Chapter 18

Text and composition data

	Sutra	Words	Syllables	Letters	TCV
GS 9	चलनकलनाभ्याम् ।	1	7	16	56
	GU 5 वेष्टनम् ।	1	3	08	41
	GU 8 अन्त्ययोर्दशके ऽपि ।	1	7	16 (17)	50 (51)
Geeta Chapter 18	Yog	Moksh Sanyas Yog TCV (मोक्ष सन्याय योग) = 24 + 28 + 12 = 64			

	<p>Participants Arjun, Sribhagwan and Sanjay</p> <p>(3) TCV (अर्जुन) = 19, TCV (श्रीभगवान) = 37, TCV (संजय) = 17</p> <p>Uvacha $4 = (2 + 1 + 1) = D3$</p> <p>Shaloka $78 = 13 \times 6$</p> <p>Pushpika</p> <p>Akshar $48 = 2 \times 4 \times 6$</p> <p>Note</p> <ol style="list-style-type: none"> 1. Hyper cube 6 is of 13 versions. 2. 6-space is of 13 geometries and 13 versions of Hyper cube 6 are representative regular bodies of 13 geometries of 6-space. 3. These 13 geometries are of signatures range (-6 to 0 to +6) 4. 13 versions of Hyper cube 6 are respectively of transcendental (5-space) boundary contents '0 to 12'. 5. Total transcendental boundary components of all 13 versions of hyper cube 6 are <p style="text-align: center;">13 Geometries of 6-space</p> $\sum_{0}^{12} N = 78 \text{ Transcendental (5-space) boundary components}$
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2.1

Ganita Sutra 9 and Ganita Upsutra 5

	Sutra	Words	Syllables	Letters	TCV
GS 9	चलनकलनाभ्याम् ।	1	7	16	56
	GU 5 वेष्टनम् ।	1	3	08	41
	Total	2	10	24	97

1.

1. In 9 numbers range, 5th number is at middle placement.
2. TCV (नव्) = 17, and TCV (पञ्च) = 15.
3. Values pair (17, 15) is of (Domain, Dimension format)
4. $17 + 15 = 32$.
5. Ganita Sutra 9 and Upsutra 5 together are of composition features of two words, 10 syllables, 24 letters and 97 TCV value.
6. These features together are of Sathapatya features of 6-space manifestation within 4-space at origin seat of 5-space.
7. 6-space is a creative (4-space) dimensional order
8. Value $10 = 4 + 6$ and value $24 = 4 \times 6$
9. Value 97 is parallel with synthesis of a pair of transcendental (5 steps) long ranges of unity state (7-space) order.

$$97 = \left\{ \begin{array}{c} 7, 8, 9, 10, 11 \\ 7, \\ 7, 8, 9, 10, 11 \end{array} \right\} = 45 + 7 + 45$$

2.2

Ganita Sutra 9 and Upsutras 5 and 8

	Sutra	Words	Syllables	Letters	TCV
GS 9	चलनकलनाभ्याम् ।	1	7	16	56

	GU 5 वेष्टनम् ।	1	3	08	41
	GU 8 अन्त्ययोर्दशके ऽपि ।	1	7	16 (17)	50 (51)
	Total	3	17	40 (41)	147 (148)

Shiv Puran Videshwar Samhita, Chapter 9



4-space
Lord Brahma



5-space
Lord Shiv
as Agni Satamab



6-space
Lord Vishnu

1. Ganita Sutra 9 and Upsutras 5 and 8 together are of text composition features being '3' words, '17' syllables, '40 / 41' letters and '147 / 148' TCV value, together are of Sathapatya features of transcendental order 7-space as origin of 6-space within creator's (4-space).
2. Within 4-space transcendental space solid order results into split of transcendental (5-space) domain into a pair of hemispheres of Sathapatya values (17 and 19).

3. The transcendental (5-space) manifestation within 4-space and 6-space emerges as Agni Satamab (अग्नि स्तम्भ) of TCV value 40.
4. Lord Brahma is overlord of 4-space and Lord Vishnu is overlord of 6-space. Lord Shiv, the overlord of 5-space manifests as Agni Satamb (fire pillar) in between Lord Brahma and Lord Vishnu and both Lord Brahma and Lord Vishnu because of their spatial and creative orders fail to comprehend the solid order of transcendental domain.

Note

1. Kathoupnishad preserves Yama Enlightenment phases and attainment bestowed upon Nachiketa in Yamlok and the fire pillar phenomenon bestowed designation is made recognizable as 'Nachiketa Agni नचिकेता अग्नि'; TCV (नचिकेता) = 26, TCV (अग्नि) = 14,
2. TCV (नचिकेता अग्नि) = 26 + 14 = 40 = TCV (अग्नि स्तम्भ)

2.3

वेष्टनम् Vestnam

	Upsutra	Words	Syllables	Letters	TCV
	GU 5 वेष्टनम् ।	1	3	08	41

1. Formulation (वेष्टनम् ।) as verb is enlisted in Dhatugana updesha of Panini as

Dhaatu of (वेष्टनम् ।) text

C0= Serial number, C1 = Dhaatu, C2 = Location in Dhaatugana Updesha

C0	C1	C2
1	सूत्र, वेष्टने । विमोचन इत्यन्ये ।	329 चु० उ० से०
2	गुडि, वेष्टने । रक्षण इत्येके ।	चु० प० से०
3	वेष्ट, वेष्टने	भ्वा० आ० से०
4	वट, वेष्टने	भ्वा० प० से०
5	हेड, वेष्टने	चु० उ० से०

2. Formulation (चलन) and (कलना) as verbs manifestations as enlisted in Dhatugana updesha of Panini as

(चलन)

C0	C1	C2
1	चल, कम्पने, भृतौ।	भ्वा० प० से०
2	चल, विलसने।	तू० प० से०
3	चल, भृतौ।	चु० प० से०

(कलना)

C0	C1	C2
1	कल, गल, आस्वादने शब्दसंख्यानयोः	भ्वा० आ० से०
2	कल विल, क्षेपे	चु० प० से०
3	कल, गल, आस्वादने।	चु० उ० से०
4	कल, गतौ संख्याने च।	चु० उ० से०

Planetary cyclic kinetic dynamic coordinated phenomenon of transcendental space, is the phase being worked out as Jyotirganit / ज्योतिर्गणित / Jyotish Ganit / ज्योतिष गणित as Siddantas सिद्धांत. And, like all other phases of existence phenomenon, in this planetary phenomenon of transcendental space, as well Ganita Sutras (and Upsutras) applications are in appropriate translations and transitions features and Sathapatya. The present write up 12.9 / 13.0, that way is the initiation and details to follow in 13.1 write up onwards.

Part – 3

Sutra 10 Upsutras 6 and 9 Geeta Chapter 1

Text and composition data

	Sutra	Words	Syllables	Letters	TCV
GS 10	यावदूनम्।	1	4	9	41
factors format	GU 6 यावदूनं तावदूनम्।	2	8	18	85
Integrated format	GU 9 अन्त्ययोरेव।	1	5	11	40

Geeta
Chapter 1

Yog Arjun Vishad Yog TCV (अर्जुन विषाद योग) = $19 + 24 \cdot 12 = 55$

Participants Dhitrastra TCV (धृतराष्ट्र) = $34 = H9$

3 Sanjay TCV (सञ्जय) = $17 = h \cdot 4 \frac{1}{2}$

Arjun TCV (अर्जुन) = $19 = h5$

Uvacha $1+3 + 2 = 6 = H2$

Shaloka $5 = G_5^2$; 2 and 5 are primes

47 $11 = G_{11}^5$; 5 and 11 are primes

$23 = G_{23}^{11}$; 11 and 23 are primes

$47 = G_{47}^{23}$; 23 and 47 are primes

$95 = G_{95}^{47}$; 47 is prime

but 95 is not

Note -

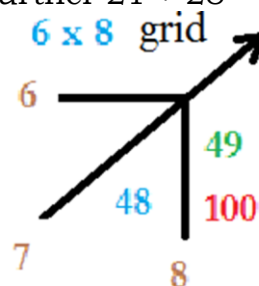
1. Geeta Shaloka 1.1 is a composition of 8 words of total TCV summation value 286

2. Geeta Shaloka 1.47 is a composition of 8 words of total TCV value 266.

3. Geeta Shaloka 1.21 and 1.28 are the only two shlokas of Srimad Bhagwad Geeta, which are split in two parts each and first part of these two shlokas are of Uvacha (Sanjay) while second halves of 1.21 and 1.28 are of Uvacha of Arjuna.

4. $21 = 1 + 2 + 3 + 4 + 5 + 6$, $28 = 1 + 2 + 3 + 4 + 5 + 6 + 7$

Further $21 + 28 = 49 = 7 \times 7$



01	02	03	04	05	06
10	11	12	13	14	15
16	20	21	22	23	24
25	26	30	31	32	33
34	35	36	40	41	42
43	44	45	46	50	51
52	53	54	55	56	60
61	62	63	64	65	<u>66 100</u>

5. Double digit 6 place value system numbers are '48' while first triple digit number of 6 place value system is of value 49 in 10 place value system

6. Pushpika Akshar are '48'

7. $48 + 49 = 97$; Synthesis of a pair of transcendental ranges of order 7.

	$97 = \left\{ \begin{array}{c} 7, 8, 9, 10, 11 \\ 7, \\ 7, 8, 9, 10, 11 \end{array} \right\} = 45 + 7 + 45$ <p>Pushpika Akshar 48 = 2 x 4 x 6, parallel with dimensional frame of 6-space of creative dimensions of spatial order.</p>
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3.1

Ganita Sutra 10 and Ganita Upsutra 6

1.
 1. TCV (दश / Dash / Ten) = 10
 2. TCV (षट् / Shat / Six) = 10
 3. Factors of numbers range 1 to 10 are 16 = 10 + 6
 4. D6 = (6, 4, 4, 2) = 16
 5. 10 = 1 + 2 + 3 + 4
 6. 6 = 1 + 2 + 3
2.
 1. Text Sutra 9, TCV (यावदूनम् ।) = 41
 2. Text Upsutra 6, TCV (यावदूनं तावदूनम् ।) = 41 + 44 = 85
 3. Text Upsutra 9, TCV (अन्त्ययोरेव ।) = 40
3.
 1. 85 = 42 + 43
 2. (40, 41, 42, 43, 44, 45) is a self referral (6 steps long) range
 3. It is a format of transition and translation of transcendental (5 steps long) range (40, 41, 42, 43, 44) into next transcendental range (41, 42, 43, 44, 45)
 4. Transcendental (5 steps long range) of '40' order transits and transforms into transcendental (5 steps long range) range into transcendental range of '41' order.

Note –

1. Ganita Upsutra 9 text TCV (अन्त्ययोरेव ।) = 40, as transcendental range order transits and transforms into Sutra 6 text TCV (यावदूनम् ।) = 41 as of order 41
2. Ganita Upsutra 6 text TCV (यावदूनं तावदूनम् ।) = 85 as 42 + 43 is the set up of pair of transcendental ranges of order 42 and 43

4.

1. Structural composition data of Ganita Sutra 10 and Upsutrs 6 and 9 together is a set up of four words 17 syllables, 38 letters and 166 TCV values

	Sutra	Words	Syllables	Letters	TCV
GS 10	यावदूनम् ।	1	4	9	41
factors format	GU 6 यावदूनं तावदूनम् ।	2	8	18	85
Integrated format	GU 9 अन्त्ययोरेव ।	1	5	11	40
	Total	4	17	38	166

Note –

1. These features together are of Sathapatya of split of transcendental (5-space) domain within 4-space as a pair of hemispheres of Sathapatya values (17 and 19) respectively.
2. $38 = 19 + 19$; $H10 = h5 + h5$
3. 166 as dimension is of reach at 168 as domain
4. $168 = 8 \times 21 = 8 \times (1 + 2 + 3 + 4 + 5 + 6)$
Parallel with
 - (i) 168 primes uptill '1000'
 - (ii) Dimensional frame of eight axes as Sathapatya measuring rod

5.

1. Sutra 10 as transition from Sutra 9 and ahead as Sutra 11 is inherent within set ups of Sutra 10 and Upsutras following it on factors format and integrated format
2. One shall sit comfortably, meditate and by permitting consciousness impulses riding the chariot of TCV 16, parallel with splits spectra of D6, a 6 space content and attain the happening of impulses being carried by Surya Rashmi (सूर्य रश्मि) and of reach core / origin of Surya, a seat of Dhuruv and order of Brahman domain.

6.

1. Formulation (यावदूनम् i) is a dimonad formatted synthesis of a pair of formulations (यावत्) and (ऊनम्)
2. Formulations (यावत्) as well is dimonad formatted synthesis of a pair of formulations (या) and (वत्)
3. Likewise formulation (ऊनम्) as well is dimonad formatted synthesis of a pair of formulations (ऊन्) and (अम्).
4. Formulations (या) and (वत्) are of TCV values pair (3, 12) permitting organization (3 x 1, 3 x 4), further permitting as a pair of features Sathapatya (1, 4).
5. Formulations (ऊन्) and (अम्) are of TCV values pair (14, 10) as of Sathapatya features of H4 and H3 respectively.
6. These features are parallel with formulations TCV (आदि / Aadi / beginning) = 10 and TCV (अन्त / Aant / End)=14

Note –

1. One shall sit comfortably, mediate and permit consciousness impulses to be carried by chariot of sole syllable Om (Akshara of TCV value 16 parallel with D6 spectra) and glimpse as that TCV (द् / 6-space domain) = 6 splits and synthesizes as TCV (त् / creative order) = 4 and TCV (ऊ) / elongated third vowel / solid order = 6, a phenomenon being taken as that सूर्यपिण्ड / Sun is a gaseous ball and not a manifested content ball.
2. TCV (हनुमान) = 41 and TCV (महेश्वर) = 39 = TCV (यावत्) + TCV (ऊनम्); it is (domain, dimension) format, a format of Hanuman, incarnation of Shiva.

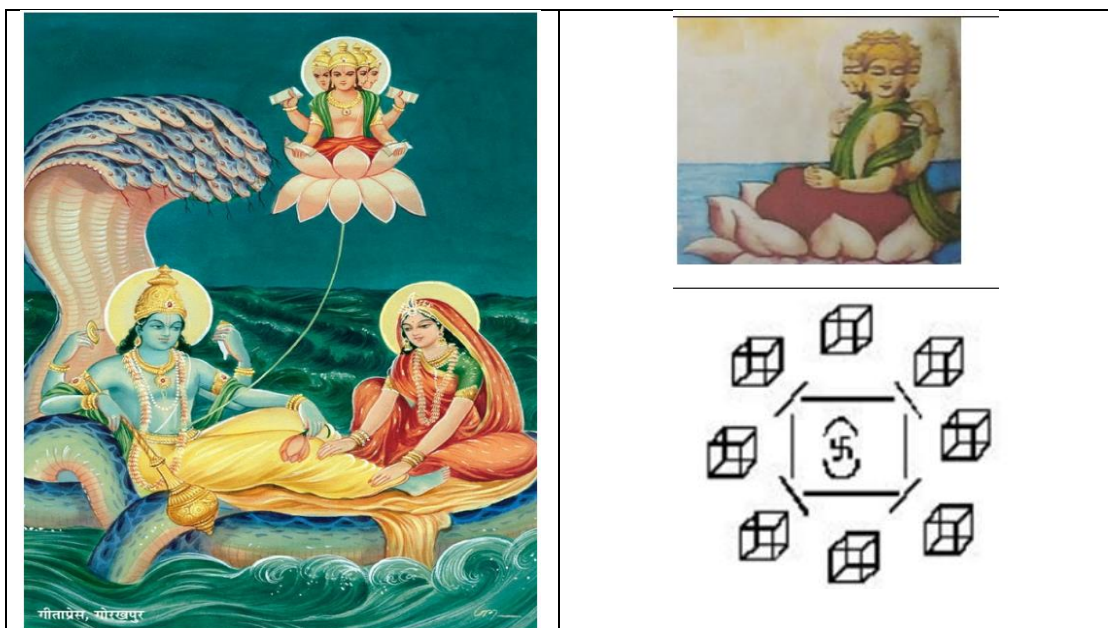
PART – 4

Sutra 11 and Upsutras 6 & 10

4.1 Ganita Sutra 11

GS 11	व्यष्टिसमष्टिः ।	1	5	14	58
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Bhagwat Puran in its Sakad 11 chapter 24 shaloka 9 to 14 preserves as transcendental feature of ‘व्यष्टि’ and ‘समष्टिः’ domains creations as



4.2 स्कन्द 11 अध्याय 24 Shalokas 9 to 12

Simple English rendering

Characterized by Rajas (the principle of activity) and equipped with askesis, the aforesaid Brahma (the creator of the universe) evolved by My grace the three spheres— viz., Bhirloka (the terrestrial globe including the seven subterranean regions, viz., Atala, Vitala, Sutala, Talatala, Mahatala, Rasatala and Patala), Bhuvarloka (the aerial region) and Swarloka (understood in its wider sense as comprising the five celestial Worlds— Swarloka or paradise, Maharloka, Janaloka, Tapoloka and Satyaloka) – with their guardian deities.

Shaloka 9

मया संचोदिता भावाः सर्वे संहत्यकारिणः ।
अण्डमुत्पादयामासुर्ममायतनमुत्तमम् ॥ ९

Simple Hindi rendering**Shaloka 9**

ये सभी पदार्थ मेरी प्रेरणासे
एकत्र होकर परस्पर मिल गये और इन्होंने यह ब्रह्माण्ड-
रूप अण्ड उत्पन्न किया। यह अण्ड मेरा उत्तम निवास-
स्थान है ॥ ९ ॥

Shaloka 10

तस्मिन्नहं समभवमण्डे सलिलसंस्थितौ ।
मम नाभ्यामभूत्पद्मं विश्वाख्यं तत्र चात्मभूः ॥ १०

Simple Hindi rendering

Shaloka 10 जब वह अण्ड जलमें स्थित हो गया,
तब मैं नारायणरूपसे इसमें विराजमान हो गया। मेरी
नाभिसे विश्वकमलकी उत्पत्ति हुई। उसीपर ब्रह्माका
आविर्भाव हुआ ॥ १० ॥

Shaloka 11

सोऽसृजत्तपसा युक्तो रजसा मदनुग्रहात् ।
लोकान्सपालान् विश्वात्मा भूर्भुवः स्वरिति त्रिधा ॥ ११

Simple Hindi rendering

Shaloka 11 विश्वसमष्टिके अन्तःकरण
ब्रह्माने पहले बहुत बड़ी तपस्या की। उसके बाद मेरा
कृपा-प्रसाद प्राप्त करके रजोगुणके द्वारा भूः, भुवः,
स्वः अर्थात् पृथ्वी, अन्तरिक्ष और स्वर्ग—इन तीन
लोकोंकी और इनके लोकपालोंकी रचना की ॥ ११ ॥

Shaloka 12

देवानामोक आसीत् स्वर्भूतानां च भुवः पदम् ।
मर्त्यादीनां च भूर्लोकः सिद्धानां त्रितयात् परम् ॥ १२

Sathapatya format

TCV (अण्ड / Egg) = 14 = H4

TCV (आयतन / domain) = 18

TCV (सलिल) = 17 = G_{17}^8

TCV (आप) = 8, Asht

TCV (अष्ट) = 11

Numbers range 1 to 11 is of 17 factors.

TCV (पदम्) = 22

TCV (आत्मभू) = 31

TCV (ब्रह्मा)

TCV (भू) = 14

TCV (भुव) = 17

TCV (स्व) = 11

TCV (रजसा) = 14

TCV (देव) = 20

TCV (सिद्ध) = 19

Simple Hindi rendering

Shaloka 12

देवताओंके निवासके लिये स्वर्लोक, भूत-प्रेतादिके लिये भुवर्लोक (अन्तरिक्ष) और मनुष्य आदिके लिये भूर्लोक (पृथ्वीलोक) का निश्चय किया गया। इन तीनों लोकोंसे ऊपर महर्लोक, तपलोक आदि सिद्धोंके निवासस्थान हुए ॥ १२ ॥

Shaloka 13

अधोऽसुराणां नागानां भूमेरोकोऽसृजत् प्रभुः ।
त्रिलोक्यां गतयः सर्वाः कर्मणां त्रिगुणात्मनाम् ॥ १३

Simple Hindi rendering

Shaloka 13 सृष्टिकार्यमें समर्थ ब्रह्माजीने असुर और नागोंके लिये पृथ्वीके नीचे अतल, वितल, सुतल आदि सात पाताल बनाये। इन्हीं तीनों लोकोंमें त्रिगुणात्मक कर्मोंके अनुसार विविध गतियाँ प्राप्त होती हैं ॥ १३ ॥

Shaloka 14

योगस्य तपसश्चैव न्यासस्य गतयोऽमलाः ।
महर्जनस्तपः सत्यं भक्तियोगस्य मदगतिः ॥ १४

Simple Hindi rendering

Shaloka 14 योग, तपस्या और संन्यासके द्वारा महर्लोक, जनलोक, तपलोक और सत्यलोक रूप उत्तम गति प्राप्त होती है तथा भक्तियोगसे मेरा परम धाम मिलता है ॥ १४ ॥

TCV (असुर) = 11

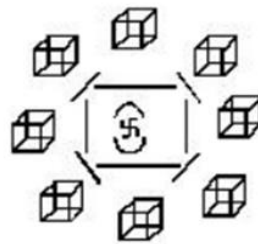
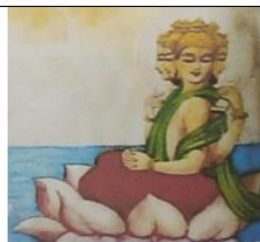
TCV (नाग) = 14

TCV (प्रभु) = 18

TCV (मह) = 20

TCV (जन) = 14

TCV (सत्य) = 10



Lord Brahma	Hyper cube 4
Four heads	Four dimensions
Pair of eyes in each head	Spatial (2-space) dimension
Lotus seat of eight petals	Solid boundary of eight components
Seat within cavity of heart of Transcendental lord shiv (5 head lord)	5-space as origin fold of 4-space.

For pointed attention basic formulations are in red colour.

Shaloka 9

मया संचोदिता भावाः सर्वे संहत्यकारिणः । अण्डमुत्पादयामासुर्मम आयतनमुत्तमम् ॥ ९

Shaloka 10

तस्मिन्नहं समभवमण्डे सलिलसंस्थितौ । मम नाभ्यामभूत्पद्मां विश्वाख्यं तत्र चात्मभूः ॥ १०

Shaloka 11

सोऽसृजत्तपसा युक्तो रजसा मदनुग्रहात् । लोकान्सपालान् विश्वात्मा भू भुवः स्वरिति त्रिधा ॥ ११

Shaloka 12

देवानामोक आसीत्स्वर्भूतानां च भुवः पदम् । मर्त्यादीनां च भूलोकः सिद्धानां त्रितयात् परम् ॥ १२

Shaloka 13

अधो असुराणां नागानां भूमेरोकोऽसृजत् प्रभु । त्रिलोक्यां गतयः सर्वाः कर्मणां त्रिगुणात्मनाम् ॥ १३

Shaloka 14

योगस्य तपसश्चैव न्यासस्य गतयोऽमलाः । महर्जनस्तपः सत्यं भक्तियोगस्य मदगतिः ॥ १४

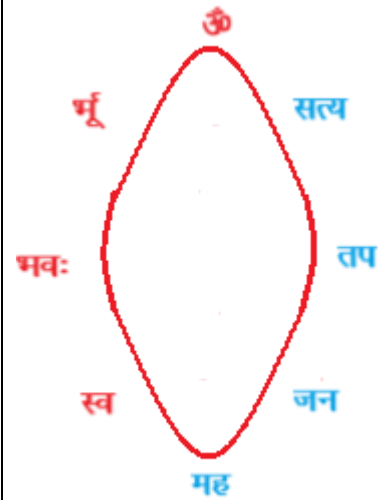
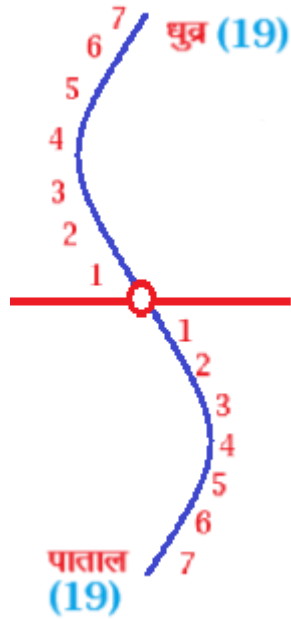
Hereunder is sketched broad outline of sequential arrangement of phases of manifestation

Manifestation phase

Upward seven phased manifestation and Downward seven phased manifestation

Manifestation phase of pair

of opposite oriented four phased set ups



4.3 Zero order axes synthesis values

Co= Serial number, C1= Number of axes, C2 = synthesis value, C3 = Total Synthesis value

C0	C1	C2	C3	
1	Single axis	0	0	
2	Pair of axes	2	2	
3	Triple axes	6	8	
4	Quadruple values	12	20	Parallel with TCV (व्यष्टि)
5	Five axes	25	45	Parallel with TCV (व्यष्टि समष्टि)

Note

1. Summation value of single, double, triple and quadruple zero order synthesis values is parallel with TCV (व्यष्टि)
2. Synthesis value of five zero order axes is 25 parallel with TCV (समष्टि).
3. Zero order phenomenon deserves to be comprehended well and is to be imbibed fully to be parallel with the transition and transformation of number values features and Sathapatya.
4. Ganita Sutras and Upsutras as such being continuously transiting and transforming their features and Sathapatya thereof, as such to comprehend and imbibe the existence and presence and role of Ganita Sutras mathematics in organization of Vedic knowledge systems is the feature without whose appreciation and without intelligence being parallel with it the same will go out of the comprehension domain of Budhi / mind.

5. Chandigyounishad and Vrihadarnikupnishad specifically preserve first as that sadkha performing Yaghya in ignorance in the state non attainment, it is stated to be a situation where head equipped with such mind, is bound to 'fall, fail'. Secondly, the sadkha, who raises question Ati Parshanyan, TCV (अतिप्रश्न) = $7 + 18 = 25$) even with respect to the self sustained featured Braham, as well in a state of mind where such mind is bound to fall / fail.

4.4 Upsutra 10

	Sutra	Words	Syllables	Letters	TCV
GU 10	समुच्चयगुणितः ।	1	7	16	56

1. TCV (समुच्चयगुणितः ।) = $56 = 28 + 28 =$ factors of numbers range 1 to 28.
2. TCV (ब्रह्म) = 28

5.1 In Continuity ..

In continuity, pursuit to chase the mathematics of organization of Vedic knowledge is to continue. Present as 12.9 / 13.0 as transition stage, the next phase of mathematics of Ganita Sutras and Upsutra is to continue from 13.1 onwards.

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