

Sri – Om

**PDF files of VM notes and write ups of Dr. S. K. Kapoor**

**File 21**

Let us learn and teach Vedic Mathematics

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## LET US LEARN AND TEACH VEDIC MATHEMATICS

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“Vedic Mathematics is an answer to stagnation of intellectual growth of young minds, and as such we shall learn and teach Vedic Mathematics”

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### VEDAS (वेदास)

1. India is land of Vedas. Every value of life has its roots in Vedas. For some historic reason during last few centuries, Vedas instead of being formal Discipline of knowledge, the same gone on informal base of oral traditional reservoir of values of life in India. With it, intellectual growth of young minds has gone stagnant and answer for it is that we shall start learning and teaching Vedic Mathematics of basis base of Vedic knowledge systems.
2. The inner evidence of available Vedic literature brings us face to face with glories Vedic domain of values and virtues of existence phenomenon of our solar universe being a single discipline of knowledge organized as per the values of Vedic Mathematics which itself as well as merged its identity within the integrated wholesome discipline of Vedas.

3. Sadhakas, fulfilled with intensity of urge, to glimpse and imbibe the values of processing steps of Vedic systems, shall initiate themselves and approach Vedas and Vedic knowledge, the Vedic way and to reach Vedic Samhitas for their pure and applied values.
4. For it, need will be that we shall introduced Vedic Mathematics as a main stream of discipline instruction from initial stages of formal education and to continuing perusing it up-till university level research courses, as Vedic knowledge organization is of Rig Ved of 21 Branches, Yajur Ved of 101 Branches, Sam Ved of 1000 Branches and Atharv Ved of 9 Branches. And, each Vedic branch has its distinct Samhita, Brahmana, Arynak and Upnashids which make a set of 4524 scriptures. And in addition there to there are upvedas. Beginning is to be had with vedangas, six in number, namely Shiksha, Vyakran, Nirukt, Chanda, Jyotish and Kalp, and reach through Shad Darshan (Sankhiya, Yoga, Nayaya, Vashik, Mimansa and Vedanta), the end fruit values to be imbibed are as Vedanta Triye (Upnashids, Braham Sutras and Srimad Bhagwad geeta). with imbibing of virtues of these values, stagnant mental state are to be transcended and blissful enlightenment mental state is to be attained to be parallel to with the natural order of Brahman Virtues of our existence phenomenon along Pursha format.
5. Values of mathematics are Basis base of discipline of existence phenomenon and our urge shall be to imbibes these values and for it, the first step is to be to accepts and to pursuit Vedic Mathematics as a main stream subject of

instruction from the initial stage of formal education and to continue the pursuit till the imbibing of the end reach value of virtues of this discipline.

## 2

### **AFFINE STATE OF YOUNG MINDS**

6. Vedic Mathematics of Ganita Sutras is of inherent inbuilt mathematical steps to sequentially unfold parallel to the natural growth order of affine state of young minds. And, it is this format features and values of Ganita Sutras which is to be exposed to young minds by enlightened minds.
7. Beginning with artifices of values of numbers reach is to be at manifested body within dimensional frames for transition from static state to dynamic state, and that being so one is to very gently expose young minds to basic arithmetic operation such that smooth transition can be had for comprehension and absorbing of values of synthesis of dimensional frames and also the domain split spectrum streams flow along formatted universe.
8. This is going to be a real poser for the policy makers and for it 'learn and teach' technique and methodology is to be adopted for educating Vedic Mathematics teachers. The inbuilt mechanism and inherent features of organization format of Ganita Sutras make factual matrix and logistic of learning and teaching steps of Vedic Mathematics. The same are parallel to sequential unfolding of the Ganita Sutras beginning with Ganita Sutra 1 and Ganita Upsutra 1 itself

unfold beginning with its first letter, the sixth vowel of value 6 and of 6-space format of solar universe with six as Surya ank (Number of Sun)

9. Beginning with first letter of Ganita Sutra 1 and sequentially reaching uptill 9<sup>th</sup> letter of first word formulation Ekaedikena of Ganita Sutra 1 and then continuing with first letter of second word formulation Purvena of Ganita Sutra 1 and reaching uptill its last letter will complete unfolding process of Ganita Sutra 1. And there from the unfolding process is to reach towards Ganita Upsutra 1 as well as towards Ganita Sutra 2. And, ultimately the reach is to uptill the last letter of last, 16<sup>th</sup> Ganita Sutras.
10. The unfolding process, as it is initiating itself along artifices of numbers and end reach fruit of it as Braham vidhya makes a range which naturally puts enlightened minds to be of blissful virtue to fulfill innocent young mind with the blissful values of Brahman enlightenment. And, blissful pilgrimage from initiation point of affine state of young minds to end fruit virtue of enlightened mind is life journey for which only enlighten minds can come to this un-expectation.

### 3

#### **GANITA SUTRA 1 AND GANITA UPSUTRA 1**

11. Ganita Sutra 1 and Ganita Upsutra 1 are source sutras.
12. The structural keys of 16 Ganita Sutras and 13 Ganita Upsutras are inbuilt within 16 letters text of Ganita Sutra 1 itself.

13. The first letter of first word formulation Ekaedikena of Ganita Sutra 1, the last letter of word formulation Pruvana, and the last letter of word formulation Ekaedikena as three point fixation of 16 points range gives rise to the fixation of remaining 13 letters of the text of Ganita Sutra 1 and these 13 letters lead to structural keys of 13 Ganita Upsutra. While, 16 letters of Ganita Sutra 1 have inbuilt structural keys of 16 Ganita Sutras.
14. As such, learning and teaching of mathematics of Ganita Sutras is to be initiated with the inbuilt structural key of first letter of the text of Ganita Sutra 1 which means with number value 6 and with its parallel format of 6-space.
15. 16 Ganita Sutras and 13 Ganita Upsutras as values range 29 with 28 gaps there off make the end reach fruit as parallel to number value 28, and there by mathematics of Ganita Sutras becomes the mathematics of reach beginning with surya ank (6) and of attainment reach of Brahman ank (28).
16. This makes a mathematics of range of values pair (6, 28) the range of pair of perfect number and a range of Surya to Braham.
17. This range of beginning with artifices of numbers and end reach fruit of Brahman format is to be fulfilled with in young minds for their perfection of intelligence ensuring that at no stage there happens to be any unnecessary block for the sequential transcendental growth and perfection of intelligence.
18. Working rule of Ganita Sutra 1 'One more than before', and working rule of Ganita Upsutra 1: 'Proposanaletely, following

the form as it is as a symmetry rule, makes a repeated processing system of as big frequency, as need be makes a mathematics of repeated steps of required frequency and same shall be absorbed as such pure values as well as applied values mathematics.

19. By applying the same one shall reach at formats of Sathapatya measuring rods of synthetic set ups of four folds manifestation layers, five folds transcendence ranges, six folds self referral ranges, seven folds unity state ranges, eight folds natural ranges and nine folds Brahman ranges, as formats of for chase in-terms of artifices of numbers.

#### 4

### ARITHMETIC OPERATIONS

20. Beginning of learning and teaching of mathematics in terms of Ganita Sutras with Ganita Sutra 1 and Ganita Upsutra 1 as source sutras, is to be by reach at basis base of arithmetic operations.
21. With rule 'one more than before' together with symmetry rule of proposanality be availed to settle addition operation for different unit values. And, also the reverse minus operation as well to be reached at on first principle working steps.
22. Further, multiplication as repeated addition, at base, and at index be also settled on first principle with repeated applications of the working rules of Ganita Sutra 1 and Ganita Upsutra 1. Further, as a reverse process, the division operation as well shall be settled for its basis base steps on

- first principle with the repeated applications of Ganita Sutra 1 and Ganita Upsutra 1.
23. A step ahead, transition be head from the Ganita Sutra 1 and Ganita Upsutra 1 to the format of Ganita Sutra 2 and Ganita Upsutra 2 and the working format of ten place value systems of nine numerals range be settled. Further, with repeated application of the working rules of Ganita Sutra 1 and Ganita Upsutra 1, working formats of all place value systems be sequentially settled.
  24. With settlement of place value system, arithmetic operation be make workable along any place value systems, with ten place value systems being the principle place value system.
  25. A step ahead, place value systems be reached at their geometric format.
  26. The geometric format of ten place value system will stand settled as the format of creative (4-space) boundary of ten components of transcendental (5-space) domain.
  27. One may have a pause here and take note that domain boundary ratio of hyper cube  $N$  comes to be  $A^n:2NB^{n-1}$ , and as such, boundary of  $2N$  Components of hyper cube  $N$  makes a format for  $2N$  place value systems.
  28. Domain fold of hyper cube  $N$  makes a format for  $N$  place value system for all value of  $N$ .
  29. A step ahead, transition be head from the format of Ganita Sutra 2 and Ganita Upsutra 2 to format of Ganita Sutra 3 and Ganita Upsutra 3 by having a transition from horizontal plane as a working format to vertical plane at working format and thereby the arithmetic operation mathematics being



accordingly worked out in terms of the working rules of Ganita Sutra 3 and Ganita Upsutra 3.

30. One may have a pause here and take note that along the working format of horizontal plane will emerge a mathematics of horizontal reflection operations while along the format of vertical plane there will emerge a mathematics of vertical reflection pairing.
31. The transition from independent working steps of horizontal reflection operation as well as vertical reflection operation will be the mathematics of parallel mathematics of horizontal reflection operation and vertical reflection operation, which shall be providing transition from the format of Ganita Sutra 3 and Ganita Upsutra 3 to the format of Ganita Sutra 4 and Ganita Upsutra 4.
32. Hence, fourth a stage would reach for simultaneous transition for pair of Ganita Sutras into subsequent pair of Ganita Sutras.
33. One may have a pause here and take note that transition to the complemented format of Ganita Sutra 5 and Ganita Sutra 6 will be reached at by way of transition in continuity of the complemented format of Ganita Sutra 3 and Ganita Sutra 4.
34. One may have a pause here and take note that though such transition is being reached at as complemented pair of formats of consecutive pair of Ganita Sutras to the next pair of Ganita Sutras but simultaneously would be meet to have transition from one Ganita Sutra to another Ganita Sutra of the complemented pair of Ganita Sutras as well.

35. This way mathematics of Ganita Sutra continues unfolding itself and at each steps the values of mathematics go enrich and it is this value and feature of Vedic Mathematics which deserves to be comprehended well for its through appreciation and full imbibing to acquire proper insight and to attain appropriate enlightenment of values and virtues of Vedic Mathematics.
36. Ganita Sutras are 16 in numbers and sequential reach from Ganita Sutra 1 to Ganita Sutra 16 in terms of structural key of first letter to sixteen letter of the text of Ganita Sutra 1 itself make a very long chain of steps to reach at the richness of the mathematical domain of Ganita Sutras.
37. One may have a pause here and take note that the text of Ganita Sutras and Ganita Upsutras avails 511 letters and chase in terms there off, the chase of mathematical domain of Ganita Sutra becomes a range of 211 steps.
38. Sadhakas fulfilled with intensity of urge to glimpse and imbibe the values of mathematical domain of Ganita Sutras shall sequentially learn and teach Vedic Mathematics, step by step beginning with first letter of the text of Ganita Sutra 1 and sequentially reaching uptill the last letter of the text of Ganita Upsutra 13 by and in terms of the working rules of Ganita Sutras and Ganita Upsutras.
39. The first letter of the text of Ganita Sutra and Ganita Upsutra is the sixth vowel of value 6 and of format of 6-space while the last letter of the text of Ganita Sutra and Ganita Upsutra is of value 13 and of format of 13 geometries range of 6-space.

40. One may have a pause here and take note that formulation Surya is of value 13.
41. One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and glimpse and imbibe the values and features of format of Vedic Mathematics of Ganita Sutra and to applies these value for chase of the existence phenomenon of our solar universe, within and without frame, including human frame, and with it, one shall be acquiring desired degree of insight and appropriate enlightenment about Vedic mathematics as basis base mathematics of organization format of Vedic knowledge, as well as of Vedic systems and also as of Vedas manifesting as Samhitas.
42. Here under are being tabulated texts of Ganita Sutra and upsutras together with transcendental code values of individual letter there off:

S. No	TCV	Value
1	वेदास	
2	ऋग्वेद	27
3	यजुर्वेद	31
4	समवेद	35
5	अथर्ववेद	37
6	शिक्षा	13
7	व्याकरण	24
8	निरुक्त	25
9	छन्दस्	19

10	ज्योतिष्	24
11	कल्प	13
12	उपनिषदः	
13	ब्रह्मसूत्र	43
14	मीमांसा	
15	वेदान्त	34
16	सौख्य योग	31
17	श्रीमद्भगवद गीता	63
18	संहिता	30

19	मानसारा	
20	षड् दर्शन	
21	एकाधिकेन	34

22	पूर्वेण	35
23	आनुरूप्येण	42

## GANITA SUTRA AND GANITA UPSUTRA

### GANITA SUTRAS TEXT

1. एकाधिकेन पूर्वेण ।  
*Ekadhikena Purvena.*  
By One More than One before
2. निखिलं नवतश्चरमं दशतः ।  
*Nikhilam Navatascaramam Dasatah*  
All from 9 and the last from ten
3. □र्ध्वतिर्यग्भ्याम् ।  
*Urdhva tiryagbhyam*  
Vertically and crosswise
4. परावर्त्य योजयेत् ।  
*Paravartya Yojayet*  
Transpose and Apply
5. शून्यं साम्यसमुच्चये ।  
*Sunyam Samyasamuccaye*  
If the samuccaya is the same it is Zero
6. (आनुरूप्ये) शून्यमन्यत् ।  
*(Anurupye) Sunyamanyat*

- If one is in Ration the others is Zero
7. संकलनव्यकलनाभ्याम् ।  
*Sankalana-vyavakalanabhyam*  
By addition and by subtraction
  8. पूरणापूरणाभ्याम् ।  
*Puranapuranaabhyam*  
By the completion or non-completion
  9. चलनकलनाभ्याम् ।  
*Calana-kalanabhyam*  
Differentiation Calculus
  10. यावदूनम् ।  
*Yavadunam*  
By the Deficiency
  11. व्यष्टिसमष्टिः ।  
*Vyastisamastih*  
Specific and General
  12. शेषाप्यङ्केन चरमेण ।  
*SesnyankenaCaramena*  
The Remainder by the last digit
  13. (सोपान्त्यद्वयमन्तम्)  
*Sopantyadvayamantyam*  
The ultimate and twice the penultimate
  14. एकन्यूनैः पूर्वेण ।  
*Ekanyunena Purvena*  
By One less than the One Before
  15. गुणितसमुच्चयः ।  
*Gunitasamuccayah*  
The product of the Sum
  16. गुणकसमुच्चयः ।

*Gunaksamuccayah*  
All the Multipliers

**GANITA UPSUTRAS TEXT**

1. आनुरूप्येण ।  
Anurupyena  
Proportionately
2. शिष्यते शेषसंज्ञः ।  
*Sisyate Sesasamjnah*  
That remains is remainder
3. आघमाघेनान्त्यमन्त्येन ।  
*Adyamadyen Antyamantyen*  
First with first Last with last
4. केवलैः सप्तकं गुण्यात् ।  
*Kevalaih Saptakam Gunyat*  
Only Seven as multiplicand
5. वेष्टनम् ।  
*Vestanam*  
Osculators
6. यावदूनं तावदूनम् ।  
*Yavadunam Tavadunam*  
That twice This twice
7. यावदूनं तावदूनीकृत्य वर्गं च योजयेत् ।  
*Yavadunam Tavadunikrtya Varganca Yojayet*

- That twice This twice Square and add
8. अन्त्ययोर्दशकेऽपि ।  
*Antyayordasake'pi*  
 Ends to sum as ten
9. अन्त्ययोरेव ।  
*Antyayoreva*  
 Ends to be in ratio
10. समुच्चयगुणितः ।  
*Samuccayagunitah*  
 Samuchya as product
11. लोपनस्थपनाभ्याम् ।  
*Lopana sthapanabhyam*  
 That missing to be established
12. विलोकनम्  
*Vilokanam*  
 By observation
13. गुणितसमुच्चयः समुच्चयगुणितः  
*GunitaSamuccayah Samuccayagunitah*  
 Product samuchya Samuchya Product

**Ganita Sutra-1 एकाधिकेन पूर्वेण**  
TEXT WITH TCV VALUES

**Ganita Sutra-1 एकाधिकेन पूर्वेण**

SN	1	2	3	4	5	6	7	8	9
Letter	ए	क्	आ	ध्	इ	क्	ए	न्	अ
TCV	6	1	2	7	2	1	6	8	1
SN	10	11	12	13	14	15	16		
Letter	प्	ड	र्	व्	ए	प्	अ		
TCV	5	6	3	7	6	7	1		

Total letters,

16

Vowel,

8

Consonants

8

**Ganita Sutra-2 निखिलं नवतश्चरमं दशतः**

SN	1	2	3	4	5	6	7	8	9	10
Letter	न्	इ	ख्	इ	ल्	अ	।	न्	अ	व्
TCV	8	2	2	2	5	1	9	8	1	7



SN	11	12	13	14	15	16	17	18	19	20
Letter	ट	त्	ट	श	च्	अ	श्र	अ	म्	अ
TCV	1	4	1	2	2	1	3	1	9	1
SN	21	22	23	24	25	26	27	28		
Letter	।	द्	ट	श्	अ	त्	अ	:		
TCV	9	2	1	2	1	4	1	13		

Total letters, Vowel, Nasels, Consonants

28

12

3

13

### Ganita Sutra-3 ऊर्ध्वतिर्यग्याम्

SN	1	2	3	4	5	6	7	8	9	10
Letter	ऊ	घ्	र्	व्	अ	त्	इ	र्	य्	अ
TCV	6	7	2	7	1	4	2	2	1	1
SN	11	12	13	14	15					
Letter	ग्	भ्	य्	आ	म्					
TCV	3	8	1	2	9					

Total letters,	Vowels,	Consonants
15	5	10

**Ganita Sutra 4 परावर्त्य योजयेत्**

SN	1	2	3	4	5	6	7	8	9	10
Letter	प्	ट	र्	दा	व्	अ	र्	त्	य्	अ
TCV	5	1	3	2	7	1	3	4	1	1
SN	11	12	13	14	15	16	17			
Letter	य्	दो	ज्	ट	य्	ए	त्			
TCV	1	7	4	1	1	6	4			

Total letters,	Vowels,	Consonants
17	7	10

### Ganita Sutra-5 शून्यं साम्यसमुच्चये

SN	1	2	3	4	5	6	7	8	9	10
Letter	श्	ऊ	न्	य्	ट	.	स्	आ	म्	य्
TCV	2	6	8	1	1	9	3	2	9	1
SN	11	12	13	14	15	16	17	18	19	20
Letter	ट	स्	अ	म्	उ	च्	च्	अ	य्	ए
TCV	1	3	1	9	3	7	2	1	1	6

Total letters,    Vowel,    Nasels,    Consonants

20

8

1

11

### Ganita Sutra-6 आनुरूप्ये शून्यन्त्यत्

SN	1	2	3	4	5	6	7	8	9	10
Letter	आ	न्	ड	र्	ऊ	प्	य्	ए	श्	ऊ
TCV	2	8	3	3	6	5	1	6	2	6

SN	11	12	13	14	15	16	17	18	19	
Letter	न्	य्	ट	म्	ट	न्	य्	अ	त्	
TCV	8	1	1	9	1	8	1	1	6	

Total letters,                      Vowels,                      Consonants

19

8

11

### Ganita Sutra-7 संकलव्यवकलनाभ्याम्

SN	1	2	3	4	5	6	7	8	9	10
Letter	स्	ट	।	क्	अ	ल्	अ	न्	आ	व्
TCV	3	1	9	1	1	5	1	8	1	1
SN	11	12	13	14	15	16	17	18	19	20
Letter	य्	ट	व्	अ	क्	अ	ल्	अ	न्	आ
TCV	1	1	7	1	1	1	5	1	5	2
SN	21	22	23	24						
Letter	भ्	य्	आ	म्						
TCV	8	1	2	9						

Total letters, Vowel, Nasels, Consonants

24 10 1 13

**Ganita Sutra-8 पूरणपूरणाभ्याम्**

SN	1	2	3	4	5	6	7	8	9	10
Letter	प्	ऊ	र्	ट	ण्	आ	प्	ऊ	र्	अ
TCV	5	6	3	1	7	2	5	6	3	1
SN	11	12	13	14	15	16				
Letter	ण्	टा	भ्	य्	टा	म्				
TCV	7	2	8	1	2	9				

Total letters, Vowels, Consonants

16 7 9

**Ganita Sutra-9 चलनकलनाभ्याम्**

SN	1	2	3	4	5	6	7	8	9	10
Letter	च्	अ	ल्	ट	न्	अ	क्	ऊ	ल्	अ
TCV	7	1	5	1	8	1	1	6	5	1
SN	11	12	13	14	15	16				
Letter	न्	टा	भ्	य्	भ्	म्				
TCV	8	2	9	1	8	9				

Total letters,

9

Vowels,

4

Consonants

5

**Ganita Sutra-10 यावदूनम्**

SN	1	2	3	4	5	6	7	8	9
Letter	य्	आ	व्	अ	द्	ऊ	न्	अ	म्
TCV	1	2	7	1	2	6	8	1	9

Total letters, Vowel, Nasels, Consonants

14                      5                      1                      8

**Ganita Sutra-11 व्यष्टिसमष्टि**

SN	1	2	3	4	5	6	7	8	9	10
Letter	व्	य्	ट	ष्	ट्	इ	स्	अ	म्	अ
TCV	7	1	1	6	3	2	3	1	9	1
SN	11	12	13	14						
Letter	ष्	ट्	ठ	:						
TCV	6	3	2	13						

Total letters, Vowel, Nasels, Consonants

14                      5                      1                      8

**Ganita Sutra-12 शेषाप्यङ्केन चरमेण**

SN	1	2	3	4	5	6	7	8	9	10
Letter	श्	ए	ष्	आ	प्	ए	अ	ङ्	क्	ए
TCV	2	6	6	2	7	6	1	5	1	6
SN	11	12	13	14	15	16	17	18	19	20
Letter	न्	ट	च्	अ	र्	अ	म्	ए	प्	ट
TCV	8	1	7	1	3	1	9	6	7	1

Total letters,                      Vowels,                      Consonants  
 20                                              9                                              11

**Ganita Sutra-13 सोपान्तयद्वयमन्त्यम्**

SN	1	2	3	4	5	6	7	8	9	10
Letter	स्	ओ	प्	आ	न्	त्	य्	अ	द्	व्
TCV	3	7	5	2	8	4	1	1	6	7
SN	11	12	13	14	15	16	17	18	19	20
Letter	ट	य्	अ	न्	अ	न्	त्	य्	अ	म्
TCV	1	1	1	8	1	8	4	1	2	9



Total letters,	Vowels,	Consonants
13	7	0

**Ganita Sutra-14 एकन्यूनेन पूर्वेण**

SN	1	2	3	4	5	6	7	8	9
Letter	ए	क्	अ	न्	य्	ऊ	न्	ए	न्
TCV	6	1	1	8	1	6	8	6	8
SN	10	11	12	13	14	15	16	17	
Letter	अ	प्	ऊ	र्	व्	ए	ण्	ट	
TCV	1	5	6	3	7	6	7	1	

Total letters,	Vowels,	Consonants
17	8	9

**Ganita Sutra-15 गुणितसमुच्चयः**

SN	1	2	3	4	5	6	7	8
Letter	ग्	ड	ण्	ठ	त्	अ	स्	अ
TCV	3	7	3	2	4	1	5	1
SN	9	10	11	12	13	14	15	16
Letter	म्	ठ	च्	च्	अ	य्	अ	:
TCV	9	2	7	2	1	1	1	13

Total letters, Vowel, Nasels, Consonants  
 16            7                            1            8

**Ganita Sutra-16 (गुणकसमुच्चयः)**

SN	1	2	3	4	5	6	7	8
Letter	ग्	ड	ण्	अ	क्	ट	स्	ट
TCV	3	3	7	1	1	1	3	1
SN	9	10	11	12	13	14	15	16
Letter	म्	ड	च्	च्	अ	य्	अ	:
TCV	9	3	2	2	1	1	1	13

Total letters, Vowel, Nasels, Consonants  
 16 7 1 8

## GANITA UPSUTRAS

### Upsutra – 1 आनुरूष्ये

SN	1	2	3	4	5	6	7	8	9	10
Letter	आ	न्	उ	र्	ऊ	प्	य्	ए	ण्	ट
TCV	2	8	3	3	6	5	1	6	7	1

Total letters, Vowel, Nasels, Consonants  
 10 5 5

### Upsutra – 2 शलष्यते शेषसंज्ञ

SN	1	2	3	4	5	6	7	8	9	10
Letter	श्	ठ	ष्	य्	ट	त्	ए	श्	ए	ष्
TCV	2	2	6	1	1	4	6	2	6	6

SN	11	12	13	14	15	16	17	18		
Letter	ट	स्	अ	।	जू	ज	अ	:		
TCV	1	3	1	9	7	1	1	13		

Total letters,            Vowel,    Nasels,    Consonants  
18                            7                            2                            9

### Upsutra – 3 आधमाधेनान्त्यमन्त्येन

SN	1	2	3	4	5	6	7	8	9	10
Letter	आ	द्	य्	अ	म्	आ	द्	य्	ए	न्
TCV	2	6	1	1	9	2	6	1	6	8
SN	11	12	13	14	15	16	17	18	19	20
Letter	आ	न्	त्	य्	अ	म्	अ	न्	त्	य्
TCV	2	8	4	1	1	9	1	8	4	1
SN	21	22	23							
Letter	ए	न्	अ							
TCV	6	8	1							

Total letters,	Vowel,	Consonants
23	9	14

### Upsutra – 4

केवलैः सप्तकं गुण्यात्

SN	1	2	3	4	5	6	7	8	9	10
Letter	क्	ए	व्	अ	ल्	ऐ	:	स्	अ	प्
TCV	1	6	7	1	5	8	13	3	1	5
SN	11	12	13	14	15	16	17	18	19	20
Letter	त्	अ	क्	ट	।	ग्	अ	ण्	य्	ट
TCV	4	1	1	1	9	3	1	7	1	2
SN	21									
Letter	त्									
TCV	4									

Total letters,	Vowel,	Nasels,	Consonants
21	8	2	11

### Upsutra – 5 वेष्टनम्

SN	1	2	3	4	5	6	7	8
Letter	व्	ए	ष्	ट्	अ	न्	अ	म्
TCV	7	6	6	3	1	8	1	9

Total letters,    Vowel,    Consonants

8

3

5

### Upsutra – 6 यावदूनं तावदूनम्

SN	1	2	3	4	5	6	7	8	9	10
Letter	य्	टा	व्	ट	द्	ऊ	न्	ट	.	त्
TCV	1	1	7	1	6	6	8	1	9	4
SN	11	12	13	14	15	16	17	18		
Letter	आ	व्	अ	द्	ऊ	न्	ट	म्		
TCV	2	7	1	6	6	8	1	9		

Total letters,	Vowel,	Nasels,	Consonants
18	8	1	9

### Upsutra – 7

यावदूनं तावदूनीकृत्य वर्ग च योजयेत्

SN	1	2	3	4	5	6	7	8	9	10
Letter	य्	आ	व्	ट	द्	ऊ	न्	ट	।	त्
TCV	1	2	7	1	6	6	8	1	9	4
SN	11	12	13	14	15	16	17	18	19	20
Letter	आ	व्	ट	द्	ऊ	न्	ई	क्	ऋ	त्
TCV	2	7	1	6	6	8	2	1	4	4
SN	21	22	23	24	25	26	27	28	29	30
Letter	य्	अ	व्	ट	र्	गू	अ	।	च्	ट
TCV	4	1	7	1	3	3	1	9	7	1
SN	31	32	33	34	35	36	37			
Letter	य्	ओ	ज्	ट	य्	ए	त्			
TCV	1	7	4	1	1	6	4			





### Upsutra – 9 अन्तययोरेव

SN	1	2	3	4	5	6	7	8	9	10
Letter	अ	न्	त्	य्	ट	य्	टो	र्	ए	व्
TCV	2	8	4	1	1	1	7	3	6	7
SN	11	12	13	14	15	16				
Letter	अ									
TCV	1									

Total letters,                      Vowel,      Consonants  
 11                                              5                                              6

### Upsutra – 10

समुच्चयगुणितः

SN	1	2	3	4	5	6	7	8	9	10
Letter	स्	ट	म्	ड	च्	च्	अ	य्	अ	ग्
TCV	3	1	9	3	7	7	1	1	1	3

SN	11	12	13	14	15	16				
Letter	ड	ण्	ठ	त्	ट	:				
TCV	3	7	2	4	1	13				

Total letters,    Vowel,    Nasels,    Consonants

16                    7                    1                    8

### Upsutra – 11 लोपनास्थापनाभ्याम्

SN	1	2	3	4	5	6	7	8	9	10
Letter	ल्	ओ	प्	ट	न्	ट	स्	थ्	आ	प्
TCV	5	7	5	1	8	1	3	7	2	5
SN	11	12	13	14	15	16	17			
Letter	ट	न्	आ	भ्	य्	आ	ण्			
TCV	1	8	2	8	1	2	9			

Total letters,                    Vowel,    Consonants

17                    7                    10

## Upsutra – 12

### विलोकनम्

SN	1	2	3	4	5	6	7	8	9	
Letter	व्	ठ	ल्	टो	क्	अ	न्	अ	म्	
TCV	7	2	5			1	8	1	9	

Total letters,

9

Vowel,

4

Consonants

5

## Upsutra – 13

### गुणितसमुच्चयः समुच्चयगुणित

SN	1	2	3	4	5	6	7	8	9	10
Letter	ग्	ड	प्	इ	त्	अ	स्	ट	म्	ड
TCV	3	3	7	2	4	1	3	1	9	3
SN	11	12	13	14	15	16	17	18	19	20
Letter	च्	च्	अ	य्	ट	:	स्	ट	म्	ड
TCV	2	2	1	1	1	13	3	1	9	3

SN	21	22	23	24	25	26	27	28	29	30
Letter	च्	च्	अ	य्	ट	ग्	उ	प्	इ	त्
TCV	5	2	1	1	1	3	3	7	2	4
SN	31	32								



## GLIMPSE AND IMBIBE THE VALUES

1. The vedic way to approach vedic systems is to glimpse and imbibe the values of systems by permitting the transcending mind to continuously remain in prolonged sittings of trans.
2. Sadhakas fulfilled with intensity of urge to glimpse and imbibe the formats features and values of mathematics of Ganita Sutra and Upsutra shall sit comfortably and to permit the transcending mind to sequentially chase the text of Ganita Sutra and Upsutras.
3. There are 16 Ganita Sutras and 13 Ganita Upsutras and there text avail just 519 (520) letters in all and this text can be memorized with a few recitations there off.
4. Once the text is memorized, the whole exercise of glimpse and imbibing of values of mathematics of Ganita Sutra and Upsutras simple remains a mental exercise and it stands blissfully performed by permitting the transcending mind to be sequentially through the text while in trans.
5. This 519 (520) letters text, in fact is of only 36 (37) distinct letters and as such the central focus is to remain upon values and formats of these 36 (37) distinct letters, which are being tabulated here under for ready and convenient reference of table of eight columns:

1. S = Serial Number, 2. L = Letter, 3. S F = Sutra Frequency, 4. \* = Total Sutra letters 5. USF = Upsutra Frequency, 6. \*\* = Total Upsutra Frequency, 7. TF = Total Frequency, 8. GTF = Grand Total Frequency

TABLE

S	L	SF	*	USF	**	TF	GTF
1	अ	66	66	51*	<b>51*</b>	<b>117*</b>	117*
2	आ	15	81	12	63	27	144
3	इ	8	89	6	69	14	158
4	ई	-	89	1	70	1	159
5	उ	7	96	8	78	15	174
6	ऊ	9	105	5	<b>83</b>	<b>14</b>	188
7	ऋ	-	105	1	84	1	189
8	ए	12	117	9	93	21	210
9	ओ	-	117	5	<b>98</b>	<b>5</b>	215
10	ऐ	2	119	2	<b>100</b>	<b>4</b>	219
11	क्	8	127	8	108	16	235
12	ख्	1	128	-	108	1	236
13	ग्	3	131	8	116	11	247
14	ङ्	1	132	-	116	1	248
15	च्	9	141	1	117	10	258
16	ज्	1	142	2	119	3	261
17	ञ्	-	142	4	123	4	265
18	ट्	2	144	4	127	6	271
19	प्	8	152	1	128	9	280
20	त्	9	161	12	140	21	301
21	थ्	-	161	1	141	1	302

22	॒दु	3	164	7	148	10	312
23	॒धु	2	166	-	148	2	314
24	॒नु	17	183	16	164	33	347
25	॒पु	7	190	8	172	15	362
26	॒भु	4	194	1	173	5	367
27	॒मु	15	209	6	179	21	388
28	॒यु	25	234	20	199	45	433
29	॒रु	11	245	4	203	15	448
30	॒लु	6	251	3	206	9	457
31	॒वु	9	260	9	215	18	475
32	॒शु	5	265	3	218	8	483
33	॒सु	7	272	6	224	13	496
34	॒षु	3	275	3	227	6	502
35	॒।	4	279	5	232	9	511
36	॒:	4	283	5	237*	9	520*

6. One may have a pause here and take note that one shall glimpse and imbibe values of text of Ganita Sutras and upstras as integrated text as well as the text of two parts firstly of Ganita Sutras and second of Ganita Upsutras.
7. One may have a pause here and take note that this text of Ganita Sutra and Upsutras, as per its organization feature of unfolding and integration process, also deserves to be

approached for glimpsing of values of its mathematics in sequential steps, as follows:

- (i) Ganita Sutra 1 and Ganita Upsutra 1
  - (ii) Ganita Sutra 2 and Ganita Upsutra 2
  - (iii) Ganita Sutra 3 and Ganita Upsutra 3
  - (iv) Ganita Sutra 4 and Ganita Upsutra 4
  - (v) Ganita Sutra 5 and 6 and Ganita Upsutra 5
  - (vi) Ganita Sutra 7 and 8
  - (vii) Ganita Upsutra 6 and 7
  - (viii) Ganita Sutra 9 and 10
  - (ix) Ganita Upsutras 8 and 9
  - (x) Ganita Sutras 11 and 12
  - (xi) Ganita Upsutra 10
  - (xii) Ganita Sutras 13 and 14
  - (xiii) Ganita Upsutras 11 and 12
  - (xiv) Ganita Upsutra 13
  - (xv) Ganita Sutras 15 and 16
8. Further, values of Ganita Sutras also deserves to be chased for glimpsing of Vedic Mathematics of Ganita Sutras by approaching them in sequential step as :
- (i) First letter of Ganita Sutra 1 and Ganita Upsutra
  - (ii) Second letter of Ganita Sutra 1 and Ganita Sutra 2
  - (iii) Third letter of Ganita Sutra 1 and Ganita Sutra 3
  - (iv) And so on, 16<sup>th</sup> letter of Ganita Sutra 1 and Ganita Sutra 16.
9. One may have a pause here and take note that numbers 1 to 16, lead to 29 factors parallel to organization  $29 = 16+13$ ,



one can have parallel chase steps for Ganita Sutras and Ganita Upsutras.

10. For convenient and ready reference here under is being tabulated the organization of numbers range 1 to 16 and factors range for simultaneous chase of Ganita Sutra and Ganita Upsutra:

No	Factors	Organization	Parallel chase steps
1	1	1+0	
2	1	1+0	
3	1	1+0	
4	2	1+1	Upsutra 1
5	1	1+0	
6	2	1+1	Upsutra-2
7	1	1+0	
8	3	1+2	Upsutra 3 and 4
9	2	1+1	Upsutra 5
10	2	1+1	Upsutra 6
11	1	1+0	
12	3	1+2	Upsutra 7 and 8
13	1	1+0	
14	2	1+1	Upsutra 9
15	2	1+1	Upsutra 10
16	4	1+3	Upsutra 11, 12 and 13

11. For comprehensive full glimpse and for complete imbibing of the values of mathematics of Ganita Sutras, one shall continuously remain in prolonged sitting of trans and to sequentially be faced with the text of Ganita Sutra and Ganita Upsutra beginning with its first letter (6<sup>th</sup> vowel) reaching up-till the last letter (Viserjan):



## TRANS SITTINGS-1

1. Sadhakas fulfilled with intensity of urge to glimpse and imbibe the values of mathematics of Ganita Sutras shall sit comfortably and to permit the transcending mind to be face to face with format features and values of first letter, of the text.
2. First letter of the text is sixth vowel it is of value 6 and of 6-space format within creative dimensional frame of 6 dimensions.
3. Surya ank (number of Sun) is 6 and TCV value of formulation Surya is 13 which is parallel to 13 geometries range of 6-space with 13 versions of hyper cubes 6 being representative regular bodies of 13 geometries of 6-space. And as such, the transcending mind during initiation is to be parallel to format features and values of existence phenomenon of Surya (sun) itself.
4. Further as existence phenomenon within Pursha format as well being of shad chakra format, as such the transcending mind is to glimpse and imbibe the coordination organization of sixth chakra with Surya in terms of Surya Parkash of seven stream emanating from unity state origin (7-space origin of 6-space).
5. This coordination organization as such comes to be of values spectrum (6, 7, 6) parallel to transcendence phenomenon of 7-space origin of 6-space domain and as a result there off, 6-space domain splitting into a pair of 6-space domains.

6. One may have a pause here and take note that values range 6, 7, 6) is of summation value 19 parallel to 19 as placement value of southern hemisphere of our solar universe.
7. One may have a pause here and take note that value 19 is parallel to 19 geometries range of 9-space with 19 versions of hyper cube 9 being the representative regular bodies of 19 geometries of 9-space.
8. Further, pair of 6-space domains lead to synthesis  $(6, 6) = (8)$  and 8-space is of 7 geometries range with 17 versions of hyper cube 8 being the representative regular bodies of 17 geometries range of 8-space.
9. Further as that value 17 is parallel to placement value 17 of northern hemisphere of our solar universe.
10. The centre of a pair of hemispheres of placement values pair 17, 19 is of placement value 18 which is of organization  $18 = 3+4+5+6$  parallel to four folds manifestation layer of hyper cube 5 and same is of role of transcendental dimension (5-space as dimension of unity state (7-space)).
11. That transcending mind during prolonged sitting of trans and to be face to face with these formats features and values of existence phenomenon of solar universe and gets fulfilled with values and virtues of 6-space being the format of first letter (6<sup>th</sup> vowel of the text of Ganita Sutra. So initiative and so fulfilled with values and virtues of formats features and values of first letter, one shall on further sitting of trans shall be continuously face to face with sequentially unfolding of values of Vedic Mathematics.

12. One shall continuously remain in prolonged sitting of trans and be blissfully fulfilled with the values of 6-space and to have smooth transition from 6-space domain to its 4-space dimension.
13. This transition, as such be transition from format features and values of first letter to the second letter is going to be of the format features and values of transition from 6-space presided by lord Vishnu to format features and values of 4-space presided by lord Brahma.
14. Scriptures well preserved format features and values of letter Ka as Ka Brahma.
15. Sadhakas fulfilled with intensity of urge to acquire proper insight and to attain appropriate enlightenment about values of Vedic Mathematics shall continuously remain in repeated prolonged sitting of trans and to get fulfilled with format features and values of transition from 6-space as domain to 4-space as dimension.
16. To have a reach from the values of mathematics and structural keys of first letter of the text of Ganita Sutra 1 and to have transition there from to values of mathematics and structural keys of second letter of the text of Ganita Sutra 1 itself.



## TRANS SITTINGS-2

### KA Brahma

#### क ब्रह्मा

1. Sadhakas fulfilled with formats features and values of first letter (ए) of the text of Ganita Sutra 1 shall go for second stage of sitting of trans to glimpse and imbibe formats features and values of second letter (क) as per the formulation (क ब्रह्मा).
2. Lord Brahma is over lord of real 4-space. Scripture preserve that lord brahma is a four head lord with a pair of eyes equipped in each head. Lord Brahma sit comfortably on a lotus seat of eight petals and mediates within cavity of his own heart where in is the seat of transcendental lord Shiv.
3. Lord Brahma mediates upon transcendental lord Shiv and with the grace of transcendental lord, lord Brahma multiplies as ten brahmas in shiv lok.
4. One may have a pause here and take note that these formats features of idol of lord brahma are parallel to format features of hyper cube 4, the representative regular body of 4-space itself.
5. It will be blissful to draw a comparative table of features of formats of idol of lord Brahma and of hyper cube 4.
6. It will be blissful to glimpse and imbibe as that multiplying of lord brahma as ten brahmas in shiv lok is parallel to the

- format of creative boundary (4-space as boundary) of ten Components of transcendental domain 5-space domain.
7. It will further be blissful to glimpse and imbibe formats features of creative boundary of ten Components of transcendental domain being parallel to the format of ten place value systems of nine numerals range.
  8. Still further it will be blissful to take note that nine vowels are the first nine letters of devnagri alphabet and the tenth letters is the consonant (ka).
  9. One shall sit comfortably and to glimpse and imbibe these values and features.
  10. Further, one shall permit the transcending mind continuously remain in trans and to reach at transition from the format of Ganita Sutra 1 to the format of Ganita Sutra 2 of the working rule of ten place value systems of nine numeral range.
  11. One shall continuously remain in prolonged sitting of trans and to fully glimpse and to completely imbibe the features and values of transition from Ganita Sutra 1 to Ganita Sutra 2 and to thoroughly appreciate the format features and values of second letter (Ka) of the text of Ganita Sutra 1 carrying the structural keys of the values of mathematics of Ganita Sutra 2.
  12. It will be blissful to glimpse and imbibe values of mathematic of Ganita Sutra 2 and of structural keys embedded in the format features and values of second letter of the text of Ganita Sutra 1.

13. It will further be a very blissful exercise to reach at mathematical domain of first pair of Ganita Sutras.
14. Further, it will be a very blissful exercise to reach at formats features and values of other place value system with the help of the values of Ganita Upsutra 1 together with values of Ganita Sutra 1.
15. It further be very blissful to exercise to reach at transition at format features and values of Ganita Sutra 1 and Ganita Upsutra 1 to format features and values of Ganita Sutra 2 and Ganita Upsutra 2.





### TRANS SITTINGS-3

(आ-वृद्धि)

1. Transcending mind fulfilled with values and features of formats of structural keys of first and second letter of the text of Ganita Sutra 1 and 2, shall further remain in prolonged sitting of trans to glimpse and imbibe values of mathematics of Ganita Sutra 3 in continuity of the values of mathematics of Ganita Sutra 1 and Ganita Sutra 2 together in there sequential order.
2. One may have a pause here and take note that the transcendental origin (5-space origin) creators space (4-space) is of solid order.
3. Further as that, the transcendence of the solid order from origin and its superimposition upon the spatial order of 4-space domain creates a format of value ( $2+3 = 5$ ).
4. Transcendental order (5-space) in the role of dimension manifests a unity state domain (7-space domain) of hyper cube 7 being a four folds manifestation layer (5, 6, 7, 8) of summation value ( $5+6+7+8 = 26$ ).
5. One may have a pause here and take note that formulation (वृद्धि) is a composition of five letter and is of transcendental code value 26.
6. One shall sit comfortably and to permit the transcending mind to visit the text of Ganita Sutra 3 which avails fifteen letters for its composition and value 15 is parallel to the value

of solid dimensional frame of 5 solid dimensions of transcendental space (5-space).

7. The transcendence of solid order and its reach within creative domain of spatial order goes parallel to superimposition of spatial order upon the linear order.
8. This as such, manifests a format of vertical plane of formats features and values parallel to formats features and values of letter (ॐ).
9. One shall sit comfortably and to permit the transcending mind to fully glimpsed and to completely imbibe this formats features and values as structural key of the formats features and values of mathematics of Ganita Sutra 3.
10. It will be a blissful exercise to sequentially revisit values of mathematics of Ganita Sutra 1, 2 and 3 in terms of the structural keys embedded in the formats features and values of first, second and third letters of the text of Ganita Sutra 1.
11. It will further be a blissful exercise to glimpse and imbibe transition from the formats features and values of Ganita Sutra 1 and Ganita Upsutra 1 to format of Ganita Sutra 2 and Ganita Upsutra 2, and a step ahead, to the formats features and values of mathematics of Ganita Sutra 3 and Ganita Upsutra 3.



## TRANS SITTINGS-4

(धृति)

12. Transcending mind fulfilled with values of mathematics of Ganita Sutra 1, 2, 3 being exposed to the values of mathematics of Ganita Sutra 4 in terms of the structural key embedded in format features and values of fourth letter (Dha) of text of Ganita Sutra 1.
13. Formulation (धृति) is a composition of four letters and is of TCV value 17.
14. Text of Ganita Sutra 4 is a composition of  $10+7 = 17$  letters and is of TCV value  $27+25 = 52 = 4 \times 13$ .
15. One may have a pause here and take note that values pair (27, 25) is of (domain, dimension format).
16. Further as that  $27 = 3^3$  and  $25 = 5^2$ .
17. Number value 4 is of format of four space.
18. Within 4-space 12 edged cube manifests additional 13 edged along degree of freedom of motion of solid with a creator's space 4-space.
19. Further as that, value 4 is of organization feature:
  - (i)  $4 = 2+2$
  - (ii)  $4 = 2 \times 2$
  - (iii)  $4 = (-2) \times (-2)$

20. One may have a pause here and take note that these features amount to not only of addition and multiplication operation, but also of a pair of opposite orientations.
21. Further, (-1) space plays the role of dimension of (+1) space.
22. One may have a pause here and to permit the transcending mind to continuously remain in deep trans and to glimpse and imbibe these values and features to be face to face with values and features of format of mathematics of Ganita Sutra 4.
23. It will be a blissful exercise to permit the transcending mind to sequentially reach at the formats of Ganita Sutra 1, 2, 3 and 4 in terms of structural keys embedded in the formats features and values of first, second, third and fourth letters of the text of Ganita Sutra 1.
24. It will be further be very blissful exercise to sequentially reach at from a formats features and values of Ganita Sutra 1 and Ganita Upsutra 1 to format features and values of Ganita Sutra 2 and Ganita Upsutra 2, and a step ahead, to format features and values of Ganita Sutra 3 and Ganita Upsutra 3, and a step further a ehad, to the format features and values of Ganita Sutra 4 and Ganita Upsutra 4.
25. One may have a pause here and take note that values quadruple 1, 2, 3, 4 is parallel to four folds manifestation layer 1, 2, 3, 4 of hyper cube 3 of linear dimension, spatial boundary, solid domain and spatial order 4-space as origin.
26. One shall further have a pause here and to fully glimpse and to completely imbibe the organization of linear order 3-space domain and spatiail order 4-space origin.

27. With (-1-space as dimension (+1) space, the reversal and superimposition of negative linear order upon positive linear domain amounts to reaching at affine zero value lively in the superimposed set up.
28. It is this feature which deserves to be comprehended well for its complete imbibing and through appreciation to acquire proper insight and to attain appropriate enlightenment of sequential transition from the format of Ganita Sutra 1 up-till format of Ganita Sutra 4.



### TRANS SITTINGS-5

29. Sadhakas fulfilled with bliss of values of mathematics of Ganita Sutras 1 to 4 and Ganita Upsutras 1 to 4 shall sit comfortably and to expose transcending mind to the texts of Ganita Sutras 5 and 6.
30. Transcending mind fulfilled with formats features and values of mathematics of Ganita Sutra 4 shall be face to face with features and values of spatial order (2-space in the role of dimension of 4-space).
31. These features and values make a mathematics as 2 as 1 and 1 as 2.
32. This two folds processing systems takes us to ka brahma, presiding deity of 4-space of spatial order, as each head of lord Brahma is equipped with a pair of eyes.
33. One may have a pause here and take note that one head equipped with a pair of eye makes a mathematics as 1 as 2.
34. Simultaneously, a pair of eyes in one head makes a mathematics of '2 as 1'.
35. As such, at this phase and stage of chase, the transcending mind may be exposed to a pair of Ganita Sutras at a time.
36. Ganita Sutras 5 and 6 be chased simultaneously with the help of structural key of fifth and sixth letter of the text of Ganita Sutra 1.
37. Fifth letter of the text of Ganita Sutra 1 is second vowel of TCV value 2 and of format of 2-space of zero dimensional order.

38. 6<sup>th</sup> letter of the text of Ganita Sutra 1 is consonant 'Ka' which as Ka Brahma' accepts value 4 and parallel format of 4-space.
39. One shall glimpse and imbibe these values and to permit the transcending mind to glimpse and imbibe the values of Ganita Sutras 5 and 6.

## Ganita Sutra-5

### शून्यं साम्यसमुच्चये

Letter 20 = (6+14) TCV = 71 = (27+44)

SN	1	2	3	4	5	6	7	8	9	10
Letter	श्	ऊ	न्	य्	अ	.	स्	आ	म्	य्
TCV	2	6	8	1	1	9	3	2	9	1
SN	11	12	13	14	15	16	17	18	19	20
Letter	अ	स्	अ	म्	उ	च्	च्	अ	य्	ए
TCV	1	3	1	9	3	2	2	1	1	6

Total letters, Vowel, Nasels, Consonants

20

8

1

11

## Ganita Sutra-6

(आनुरूप्ये) शून्यमन्यत्

$$\text{Letter} = 19 = (8+11)$$

$$\text{TCV} = 76 = (34+42)$$

SN	1	2	3	4	5	6	7	8	9	10
Letter	आ	न्	ड	र्	ऊ	प्	य्	ए	श्	ऊ
TCV	2	8	3	3	6	5	1	6	2	6
SN	11	12	13	14	15	16	17	18	19	
Letter	न्	य्	अ	य्	अ	न्	य्	अ	त्	
TCV	8	1	1	9	1	8	1	1	4	

Total letters,

19

Vowels,

8

Consonants

11

40. Text of Ganita Sutra 5 is a composition of 20 letters and is of value '71'.



41. One may have a pause here and take note that value 20 is parallel to synthesis value 20 of a pair of transcendence range of zero order:  $(0+1+2+3+4)+(0)+(0+1+2+3+4)$
42. Further, formulation (सप्त) is of TCV value 14 while simple rendering value of formulation (सप्त) is 7.
43. One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features to appreciate and imbibe the values of mathematics of Ganita Sutra 5.
44. Further, Ganita Sutra 6 text avails 19 letters and is of TCV value 76 which accepts organization  $76 = 19 \times 4$ .
45. One may have a pause here and take note that formulation (अवयव) has simple rendering as constituents, while it is of TCV value 19 which is parallel to placement value 19 of the southern hemisphere of our solar universe and further it is also parallel to 19 geometries range of 9-space with 19 versions of hyper cube 9 being the representative regular bodies of 19 geometries of 9-space.
46. One shall sit comfortably and to permit the transcending mind to simultaneously chase the complemented and supplemented integrated domain of values of mathematics of Ganita Sutra 5 and 6, by first comprehending and imbibing the values and features of pair of values 5, 6.
47. Value 5 accepts organization as  $5 = 2+3$ , while value 6 accepts organization as  $6 = 2 \times 3 = 1 \times 2 \times 3 = 1+2+3 = 2+2+2$ .
48. Further, values pair (5, 6) lead to formats of 5-space and 6-space respectively.

49. One may have a pause here and take note that formulation (शून्य) Sunya is of TCV value 18 which accepts organization  $18 = 3+4+5+6$ , which is parallel to four folds manifestation layer (3, 4, 5, 6) of hyper cube 5, the representative regular body of 5-space in 4-space.
50. And, as such the reach from 4-space to 5-space is a reach from un-manifest (अव्यक्त) to base of un-manifest (अव्यक्तआव्यक्तात्)/ (स्नातन) / (ब्रह्म).
51. One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features of Sunya with TCV value 18 parallel to four folds manifestation layer 3, 4, 5, 6 of hyper cube 5, the representative regular body of 5-space in 4-space.
52. One may have a pause here and take note that first four letters of the text of Ganita Sutra 1 are of TCV values quadruple (6, 4, 2, 7) of summation value 19 parallel to 19 versions of hyper cube 9 as representative regular body of hyper cube 9, the representative regular body of 9-space.
53. Further, values triple (6, 4, 2) is parallel to values triple of triple letter of formulation (ऋषि) and same is of reach within 6-space within 6-space domain to 4-space dimension to 2-space as dimension of dimension.
54. Transcendence along this format (6, 4, 2) will be of reach to glimpse 7-space has origin of 6-space.
55. It is this glimpsing insight and enlightenment which makes glimpsing as of values and formats of quadruple values (6, 4, 2, 7).

56. One may have a pause here and take note that sequential transcendence head of values triple (6, 4, 2) is of format 6, 4, 2, 0).
57. One may further have a pause here and take note that zero plays the role of dimension of 2-space.
58. With it, it will be blissful to glimpse and imbibe as that the transcendence ahead is a reach at value (2) which is the value of the fifth letter of the text of Ganita Sutra 1.
59. One may have a pause here and to revisit the text of Ganita Sutra 5 (शून्यं साम्यसमुच्चये) which is a composition of a pair of formulation (शून्यं) of TCV value 27 and formulation (साम्यसमुच्चये) of TCV value 44.
60. One may further have a pause here and take note that the formulation (साम्यसमुच्चये) is also a composition of a pair of formulation (साम्य) of TCV value 16+13 and formulation (समुच्चये) of TCV value 28.
61. One may have a pause here and take note that have a revisit to the text of Ganita Sutra 5 as of organization of TCV values triple (27, 29, 28).
62. One may have a pause here and take note that formulation triple (प्रारब्ध, ब्रह्मा, ब्रह्म) are of TCV values triple (27, 29, 28).
63. Further as that, formulation (साम्य) with its value 16 is parallel to TCV value of formulation (Jeev).
64. Further as that formulation (साम्य) = TCV (जीव) = TCV (Brahma) brings us face to face with the values and format of

- existence phenomenon of जीव (Jeev) as creation within creator's space presided by lord Brahma and this existence phenomenon of the range from the प्रारब्ध to ब्रह्म.
65. One shall sit comfortably and to permit the transcending mind to glimpse and imbibe the values of this existence phenomenon of values range 27, 19, 28) which brings us face to face with 27 as dimension leads to 29 as domain and 29 points range being of 28 gaps.
  66. Further as that,  $27 = 3^3$  and values range 1 to 16 being of factors 13 and value  $16 = 2^4$  a step ahead, 4-space as dimension of 6-space and 6 points range being the range of 5 gaps are fulfilled by Brahm as value 28 of five proper divisors.
  67. One shall sit comfortably and to simultaneously revisit in a sequence, the values of mathematics of Ganita Sutra 6 being of text ((आनुरूप्ये) शून्यमन्यत्) a composition of  $8+11 = 19$  letters and being of TCV value  $33+34$ .
  68. One may have a pause here and take note that value 33 is parallel to the format of pair of equal digits of value 3 each parallel to the synthesis format of a three dimensional frame of a pair of three dimensional frame of half dimensions and of 4-space as origin.
  69. 4-space as common origin of the synthetic set up of a pair of three dimensional frame of half dimensions will bring the transcending mind to face to face with formulation (शून्यमन्यत्) a composition of 11 letters parallel to

- organization  $3+4+3$  and also being of TCV value 34, the coordination of 3 dimensions with 4-space as origin.
70. And further as that  $34 = 7+8+9+10$  is parallel to four folds manifestation layer 7, 8, 9, 10 of hyper cube 9.
  71. One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to completely glimpse and to fully imbibe these values and features of mathematics of Ganita Sutras 5 and 6
  72. With these glimpsing and imbibing, transcending mind will be blissfully transcending through the values triple  $(-0, 0, +0)$  and shall be parallel with the dimensional synthesis phenomenon caused by zero order of 2-space.
  73. One may have a pause here and take note that 0-space entity also accepts value 1 as 1-space being the origin of 0-space, the same while transcends out of 0-space domain the same causes a transcendence range spectrum  $(0, 1, 0)$  of parallel format  $(-0, 0, +0)$ .
  74. One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe these values and features and to thoroughly appreciated for acquiring proper insight and to attain appropriate enlightenment about the existence and membership of zero space amongst the family of positive, zero and negative dimensional orders.
  75. One may have a pause here and take note that  $0+0 = 0 = 0 \times 0 = (-0) \times (-0)$  and  $1 \times 1 = 1 = (-1) \times (-1)$  are basis base features of the dimensional synthesis format of 2-space of zero order.

76. Taking dimensional order as a set up of points of zero value, simultaneously works out organization of N points as value remain at zero.
77. Step wise as step 1, first dimension as a set up of N point will make the organization  $N = 1+(N-2)+1$ .
78. As step 2 a pair of dimensions of N points together will be a pool of 2N points.
79. The common origin will absorb one point of the second dimension.
80. Out of remaining N-1 point, 1 point will make the other end of the second dimension. The gap between the loose end of the first dimension together with lose end of the second dimension will give rise to a gap which will need (N-2 point) to bridge the same. As a result (N-2 points out of pool of available 2N points the points which will remain in the pool  $[(2N)-(N)] = N+2$  which will be the value of synthesis of a pair of dimensions of N points.
81. In a sequence with availability of third dimension there will be addition of N points in the pool but at the same point the gaps between the loose ends of first and third dimension, as well as of second and third dimension will require 2 (2N) number of point to bridge the same, and as a net result, the point will which remain after synthesis of triple dimension of N points will be  $[(N+2)+N-2(N-2)] = 6$ .
82. One may have a pause here and take note that the synthesis of dimension at the stage of single dimension of N points makes a value N while synthesis of a pair of dimensions of N

points each makes a value  $N+2$  and synthesis of three dimensions of  $N$  point each makes a value 6.

83. And like that, the synthesis values range continues emerging as  $[N, (N+2), (6), (12-2N) 20-5N, \dots]$

84. It will be blissful to tabulate dimensional synthesis of any number of dimension of every order (positive, zero, negative), which may be tabulated as under:

-84	-50	-24	-6	4	6	-6	-4	6	24	50	84
-75	-45	-22	-6	3	5	-5	-3	6	22	45	75
-66	-40	-20	-6	2	4	-4	-2	6	20	40	66
-57	-35	-18	-6	1	3	-3	-1	6	18	35	57
-48	-30	-16	-6	0	2	-2	0	6	16	30	48
-39	-25	-14	-6	-1	1	-1	1	6	14	25	39
-30	-20	-12	-6	-2	0	0	2	6	12	20	30
-21	-15	-10	-6	-3	-1	1	3	6	10	15	21
-12	-10	-8	-6	-4	-2	2	4	6	8	10	12
-3	-5	-6	-6	-5	-3	3	5	6	6	5	3
6	0	-4	-6	-6	-4	4	6	6	4	0	-6
15	5	-2	-6	-7	-5	5	7	6	2	-5	-15
24	10	0	-6	-8	-6	6	8	6	0	-10	-24
33	15	2	-6	-9	-7	7	9	6	-2	-15	-33

## FURTHER INWARD TRANSCENDENCE

1. Vedic systems inward transcendence is formatted as quadruple streams formulated : (ऋषि , देवता, छन्द, स्वर,).
2. Formulation (ऋषि) is of TCV value 12 as sequential triple streams (6, 4, 2) as format of transcendence from 6-space domain to 4-space dimension to 2-space as dimension of dimension.
3. Formulation (देवता) is of TCV value 26 which accepts re-organization as  $26 = 5+6+7+8$  parallel to four folds manifestation layer (5, 6, 7, 8) of hyper cube 7 of transcendental order (5-space as dimensional order of unity state).
4. Formulation (छन्द) is of TCV value 19 is parallel to 19 as a placement value of southern hemisphere which further is parallel to 19 geometries range of 9-space with 19 versions of hyper cube 9 being the representative regular bodies of 19 geometries of 9-space.
5. Formulation (swara) is of transcendental code value 15 parallel to dimensional value of five solid dimensions of transcendental domain 5-space domain.
6. One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features.
7. And to acquire proper insight and to attain appropriate enlightenment about the formats features and values of mathematics of Ganita Sutras 5 and 6 for a take off for the following values and mathematics of Ganita Sutras 7, 8 and 9 unfolding further in terms of the structural keys of 7<sup>th</sup>, 8<sup>th</sup> and



- 9<sup>th</sup> letters of the text of Ganita Sutra 1 of transcendental code values triple (6, 8, 1).
8. One may have a pause here and take note that it is going to be a take off from the spatial order of creator's space to solid order of the transcendental origin 5-space as origin of creators space 4-space.
  9. One may have a pause here and take note that it is going to be a transition and transformation from the four folds format of creators space presided by lord Brahma to the five folds transcendence format of formats and features of transcendental domain 5-space domain presided by transcendental lord, five head lord equipped with each head equipped with 3 eyes.
  10. Sadhakas fulfilled with intensity of urge to glimpse and imbibe the values and features of this transition format shall sit comfortably and to permit the transcending mind to go parallel to the transcendental phenomenon of lord Brahma mediating within cavity of his own heart upon transcendental lord shiv and lord Brahma with the grace of transcendental lord, transcending with in shiv lok and multiplying as ten brahmas.
  11. One may have a pause here and take note that idol of lord brahma, a four head lord equipped with a pair of eyes in each head is of formats and features parallel to the format and features of hyper cube 4, the representative reugalr body of 4-space itself.
  12. Hyper cube 4 is a four folds manifestation layer 2, 3, 4, 5 of summation value  $2+3+4+5 = 14$ , and hyper cube 14 is of 29

- geometries range and 29 versions of hyper cube 14 are the representative regular body of 29 geometries of 14-space.
13. This format and features of re-manifestation as of value 29 is parallel to TCV value 29 of formulation Brahma (ब्रह्मा).
  14. One may have a pause here and to permit the transcending mind to glimpse and imbibe the formats features and values of formulation (विस्फोट) of transcendental code value 29.
  15. Sadhkas fulfilled with intensity of urge to acquire proper insight and to attain appropriate enlightenment about vedic systems chasing existence phenomenon of manifested creations of potentiality of transcendence there from shall full glimpse and to completely imbibe the transcendence from the transcendental origin of creators space and as a result there off a transition from the formats features of four folds creations format to five folds transcendental format.
  16. One may have a pause here and take note that creator's space is of a spatial order and the dimensional frame of four space is of value  $2^4$ .
  17. And, transcendence of transcendental origin 5-space origin from within creator's domain 4-space domain makes a transcendence spectrum (4, 5, 4) of summation value 13, which together with value  $2^4$  of dimensional frame of creator's space makes a set up of value  $16+13 = 29$  which is parallel to TCV value 29 of formulation (ब्रह्मा) as well as of formulation (विस्फोट).
  18. With blissful glimpse and imbibing of the values of formats features of creators space of transcendental origin, one can

blissful transcend from the spatial order to transcendental order and can simultaneously chase triple Ganita Sutras values.

19. It will be blissful to take note that spatial order of creators domain is of zero order for its dimension of dimension.
20. Likewise, solid order of transcendental domain is of linear order of its dimension of dimension.
21. Transition from the format of creators space (4-space) of spatial order (2-space as dimension) to format of transcendental space (5-space) of solid order (3-space as dimension), manifests a self referral domain (6-space domain) of creative order (4-space as dimension).
22. One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to fully glimpse and to completely imbibe the values of mathematics of Ganita Sutras 5 and 6 simultaneously and further to glimpse and imbibe the values and features of transition format for further simultaneous chase of values of mathematics of Ganita Sutras 7, 8 and 9.



## TRANS SITTINGS-6

1. Sadhakas fulfilled with bliss of values of mathematics of Ganita Sutras 5 and 6 shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the format features and values of mathematics of Ganita Sutras 7, 8 and 9 in terms of structural keys of 7, 8 and 9 letter of the text of Ganita Sutra 1.
2. Text of Ganita Sutras 5 and 6 respectively avail 20 and 19 letters for there texts. Value 39 is parallel to TCV value 39 of formulation (महेश्वरः), transcendental designation of lord shiv, over lord of transcendental domain (5-space).
3. Further, value 39 accepts organization as  $3 \times 13$  and value 13 accepts organization as  $4+5+4$ , which is parallel to transcendence spectrum of 5-space origin of 4-space.
4. One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features.
5. Further, 7, 8 and 9 letter of text of Ganita Sutra 1 respectively accept TCV values (6, 8, 1) of summation value 15 which is parallel to the value of solid dimensional frame of five dimensions of 5-space.
6. Values triple (6, 8, 1) accepts organization as  $2+2+2$ ,  $2 \times 2 \times 2$ ,  $1 \times 1 \times 1$  and these features shall be imbibed to aquire insight and enlightenment about the structural keys embedded in the format features and values of 7, 8 and 9 letter of the Ganita

Sutra 1, in terms of which one may reach at the format features and values of mathematics of Ganita Sutras 7, 8 and 9, individually and collectively.

7. One shall sequentially glimpse the composition of text of Ganita Sutras 7, 8 and 9 to fully glimpse and to completely imbibe the value of Ganita Sutra 7, 8 and 9, individually and as well as collectively.

### **Ganita Sutra-7 संकलव्यवकलनाभ्याम्**

**Letters 24 TCV = 85**

SN	1	2	3	4	5	6	7	8	9	10
<b>Letter</b>	स्	अ	·	क्	अ	ल्	ट	न्	आ	व्
TCV	3	1	9	1	1	5	1	8	1	7
SN	11	12	13	14	15	16	17	18	19	20
<b>Letter</b>	य्	अ	व्	अ	क्	अ	ल्	अ	न्	आ
TCV	1	1	7	1	1	1	5	1	8	2
SN	21	22	23	24						
<b>Letter</b>	भ्	य्	आ	म्						
TCV	8	1	2	9						

**Total letters, Vowel, Nasels, Consonants**

**24**

**10**

**1**

**13**

## Ganita Sutra-8 पूरणपूरणाभ्याम्

Letter 16, TCV = 68

SN	1	2	3	4	5	6	7	8	9	10
Letter	प्	ऊ	र्	अ	प्	आ	प्	ऊ	र्	अ
TCV	5	6	3	1	7	2	5	6	3	1
SN	11	12	13	14	15	16				
Letter	प्	आ	भ्	य्	आ	म्				
TCV	7	2	8	1	2	9				

## Ganita Sutra-9 चलनकलनाभ्याम्

Letter = 16, TCV = 56

SN	1	2	3	4	5	6	7	8	9	10
Letter	च्	अ	ल्	ट	न्	अ	क्	अ	ल्	अ
TCV	2	1	5	1	8	1	1	1	5	1
SN	11	12	13	14	15	16				
Letter	न्	आ	भ्	य्	आ	म्				
TCV	8	2	8	1	2	9				

8. For proper appreciation, first of all one shall be through the composition of following seven formulations and to glimpse and imbibe there features and values:

- |       |           |                        |
|-------|-----------|------------------------|
| (i)   | (संकलन)   | (Letters 9, TCV = 30)  |
| (ii)  | (व्यवकलन) | (Letters 11, TCV = 34) |
| (iii) | (भ्याम्)  | (Letters 4, TCV = 20)  |
| (iv)  | (पूरण)    | (Letters 6, TCV = 23)  |
| (v)   | (अपूरण)   | (Letters 7, TCV = 24)  |
| (vi)  | (चलन)     | (Letters 6, TCV = 18)  |
| (vii) | (कलन)     | (Letters 6, TCV = 17)  |

9. Formulation (संकलन) (Letters 9, TCV = 30)

- 9.1 Simple rendering of formulation (संकलन) is to consolidate availing addition operation.
- 9.2 It is a composition of 9 letters of TCV values range (3, 1, 9, 1, 1, 5, 1, 8, 1) of summation value (30).
- 9.3 Value 30 accepts organization as  $30 = 5+6+7+8$ , parallel to four folds manifestation layer 5, 6, 7, 8 of hyper cube 7, the representative regular body of 7-space of transcendental order. The extension of four folds manifestation layer 5, 6, 7, 8 as five folds transcendence range 5, 6, 7, 8, 9 results into summation value  $5+6+7+8+9 = 39$ , which is parallel to TCV value 39 of formulation महेश्वरः), transcendental designation of lord shiv, over lord of transcendental domain (5-space).

- 9.4 One may have a pause here and take note that letter (ka) as (Ka Brahma) is of TCV value 4 and as such the formulation (**संकलन**) becomes a formulation of TCV value 33 parallel to TCV value 33 of formulation (**पुरुषार्थ**).
- 9.5 Further a reach from ka brahma to ka shiv.
- 9.6 Letter ka of TCV value 5 and with its formulation (**संकलन**) of TCV value 34 with which organization  $34 = 7+8+9+10$  go parallel to four folds manifestation layer 7, 8, 9, 10 of hyper cube 9 with unity state order (7-space in the role of dimension).
- 9.7 One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe these values and feature of formulation (**संकलन**).
10. Formulation (**व्यवकलन**)(Letters 11, TCV = 34)
- 10.1 Formulation (**व्यवकलन**) is a composition of 11 letters of TCV values range (7, 1, 1, 7, 1, 1, 1, 5, 1, 8, 1).
- 10.2 Value range (7, 1, 1, 7, 1, 1, 1, 5, 1, 8, 1) is of summation value  $7+1+1+7+1+1+1+5+1+8+1 = 34$ .
- 10.3 Simple rendering of formulation (**व्यवकलन**) is formatted utility of subtraction operation.



- 10.4 Value 34 accepts organization parallel to four folds manifestation layer 7, 8, 9, 10 of hyper cube 9 with 7-space in the role of dimension.
- 10.5 Further, ka as ka brahma is of TCV value 4 and ka as ka shiv is of TCV value 5, and as such formulation (**व्यवकलन**) becomes of TCV values 37, 38 respectively.
- 10.6 One may have a pause here and take note that  $37 = 2 \times 18 + 1$  is parallel to 37 geometries range of 18-space with 37 versions of hyper cube 18 being the representative regular body of 37 geometries of 18-space.
- 10.7 And,  $38 = 19 + 19$  is parallel to a set up of a pair of southern hemisphere of solar universe.
- 10.8 One shall sit comfortably and to permit the transcending mind to continuously remain and to glimpse and imbibe these values and features of formulation (**व्यवकलन**).
- 10.9 It will further be very blissful to permit the transcending to simultaneously glimpse in sequential order the values and feature of a pair of formulation (**संकलन** and **व्यवकलन**).
- 10.10 This chase will be of three folds paired pairs of values [(30, 34), (33, 37) and (34, 38)].
- 10.11 One may have a pause here and take note that values pair (30, 34) is parallel to a paired pair hyper cube 8, hyper cube 9.

- 10.12 Further, values pair (34, 38) is parallel to paired pair (hyper cube 9, hyper cube 10).
- 10.13 One shall sit comfortably and to glimpse and imbibe these paired pairs of values.
- 10.14 Further, one shall also glimpse and imbibe a paired pairs values 37, 38 parallel to the formats of 37 geometries of 18-space and 38 boundary Components of hyper cube 19.
11. Formulation (भ्याम्) (Letters 4, TCV = 20)
- 11.1 Formulation (भ्याम्) is a composition of quadruple letter of TCV value quadruple (8, 1, 2, 9).
- 11.2 Quadruple values (8, 1, 2, 9) accepts organization as  $(2^3, 1^3, 1^2 + 1^2, 3^2)$
- 11.3 Further the summation value of quadruple value 8, 1, 2, 9 is 20 which is parallel to synthesis value 20 of synthesis of a pair of transcendence ranges of zero order:  
 $[(0+1+2+3+4)+(0)+(0+1+2+3+4)].$
- 11.4 One may have a pause here and take note that the quadruple values 8, 1, 2, 9 accepts organization of a paired pairs of values [(8, 1), (2, 9)] / (9, 11) which is parallel to the format of transition form synthesis value 9 of a pair of transcendence ranges of negative order  $[(-1, 0, 1, 2, 3)+(-1)+(-1, 0, 1, 2, 3) = 9$  to synthesis value 20 of a pair of transcendence ranges of zero order:  $[(0+1+2+3+4)+(0)+(0+1+2+3+4)] = 20 = 9+11.$

- 11.5 One may have a pause here and take note that this transition format of reach from value 9 to  $20 = 9+11$ , sequentially holds for  $20+11 = 31$ , as synthesis value of a pair of transcendence range of linear order,  $31+11 = 42$ , a synthesis value of a pair of transcendence range of spatial order and so on for the values range (9, 20, 31, 42, 53, 64, ...), as well as for the values range (... , -46, -35, -24, -13, -2, 9, 20, 31, 42, 53, 64, ...).
- 11.6 It will be blissful exercise to glimpse and imbibe these values and features of formulation (भ्याम्) and further to glimpse and imbibe the values of (संकलव्यवकलनाभ्याम्) Ganita Sutra 7.
12. Formulation (पूरण) (Letters 6, TCV = 23)
- 12.1 Formulation (पूरण) is a composition of 6 letters and is of values range (5, 6, 3, 1, 7, 1).
- 12.2 Simple rendering of formulation (पूरण) is complete / completeness of domain.
- 12.3 The summation value of values range (5, 6, 3, 1, 7, 1) is 23.
- 12.4 Value 23 is parallel to TCV value of formulation (जन्म) as well as formulation (अन्नत).
- 12.5 Value 23 accepts organization as  $23 = [(3+5)+(3 \times 5)]$ .
- 12.6 One may have a pause here and take note that values pair (3, 5) is parallel to (3-space as dimension, 5-space as domain).

- 12.7 One may have a pause here and to permit the transcending mind to glimpse organization value  $23 = [(3+5)+(3 \times 5)]$  as of a five space domain superimposed upon three space dimension with in a solid dimensional frame of five solid dimension of five space.
- 12.8 It is this completeness feature of transcendental domain (5-space domain) of solid dimensional order and of a solid dimensional frame of five solid dimensions which deserves to fully comprehended and complete imbibing and through appreciation of this set up.
13. Formulation (अपूरण) (Letters 7, TCV = 24)
- 13.1 Formulation (अपूरण) is a composition of 7 letters of TCV values range (1, 5, 6, 3, 1, 7, 1).
- 13.2 Simple rendering of formulation (अपूरण) is 'incomplete'.
- 13.3 Pair of formulation (पूरण and अपूरण) may be appreciated in the form of manifestation of close interval and half close interval.
- 13.4 It will be blissful to take note that close interval split into a close interval and a half close interval and this to continue ad-infinitly.
- 13.5 Summation value of values range (1, 5, 6, 3, 1, 7, 1) is 24 which accepts organization as  $24 = 4 \times 6$  which is

parallel to the value of a dimensional frame of six creative dimensions of self referral domain.

- 13.6 Further as that, value  $4 \times 6$  is parallel to  $4 \times 6$  grid format, which accommodate all 24 double digit numbers of 5 place value systems and triple and higher digits number transcend this format.
- 13.7 One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans to sequentially glimpse the values of formulation (पूरण and अपूरण).
- 13.8 Further, it will be a blissful exercise to glimpse and imbibe the values of formulation (पूरणपूरणाभ्याम्) Ganita Sutra 8.
14. Formulation (चलन) (Letters 6, TCV = 18)
- 14.1 Formulation (चलन) is a composition of three syllable of a pair of letter each of values range (3, 6, 9) / [(2, 1), (5, 1), (8, 1)].
- 14.2 Simple rendering of formulation (चलन) is a flow format.
- 14.3 It is flow format of values steps (3, 6, 9) / (3x1, 3x2, 3x3).
- 14.4 Summation value  $3+6+9 = 18$  being parallel to summation value 18 of four folds manifestation layer 3, 4, 5, 6 of hyper cube 5 of solid dimensional order makes this formulation of format of progression format of half solid dimensions as that  $(3, 3) = (5)$  and

split phenomenon of a three dimensional frame into a pair of three dimensional frame of half dimension within creator space makes the progressive coordination of domain fold in terms of half boundaries.

- 14.5 One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features.
- 14.6 Vedic systems avail transcendence from the transcendental origin of solid order of creator's space and work with value  $3^3$  as value of a dimensional frame of triple half solid dimensions for swapping a hemisphere of solar universe as swapping domain of 27 नक्षत्र (naksatras).
- 14.7 Complete swapping of solar universe as a pair of hemispheres is had in terms of a pair of dimensional frame of value  $3^3$  each.
- 14.8 One shall sit comfortably and to permit the transcending mind to glimpse values and features of this organization of swapping of solar universe as a set up of a pair of hemispheres of dimensional frames of values  $3^3$  and  $3^3$  .
- 14.9 One may have a pause here and take note that formulation (नक्षत्र) is of TCV value 23 which with value 3 for the letter Raif and value 5 for letter Ka makes value 29 which is the synthesis value  $(27, 27) =$

(29) parallel to TCV value 29 of formulation (ब्रह्मा), creator supreme, over lord of real 4-space / creator's space of transcendental.

15. Formulation (कलन)(Letters 6, TCV = 17)

- 15.1 Formulation (कलन) is a composition of three syllables of a pair of letter each of TCV value (2, 6, 9) of summation value  $2+6+9 = 17$  which is parallel to TCV value 17 of formulation (आत्मा, as well as of formulations द्रव, as well as of formulation (दिव्य)
- 15.2 Simple rendering of formulation (कलन) is formatted reservoir of values.
- 15.3 One shall sit comfortably and to permit he transcending mind to simultaneously glimpse formulation (चलन, कलन) in sequence by appreciating as that pair of letters (च्, क्) are of values pairs (2, 1), and further letter (क्) also as ka Brahma and Ka Shiv accepts value 4 and 5 respectively as well. Still further spatial order manifestation layer is 2, 3, 4, 5 and 2-space as 5 geometries range.
- 15.4 One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features and to transit from mathematics of linear order 3-space to the mathematics of spatial order of 4-space and further solid to 5-space to glimpse the values of mathematics of Ganita Sutras 7, 8, 9.

- 15.5 Further, one shall have a comprehensive view of values range of nine letters of formulation (एकाधिकेन) 6, 4, 2, 7, 2, 4, 6, 8, 1) as a sequential range of structural key of values of mathematics of Ganita Sutras 1 to 9 in that sequence and order.
- 15.6 One may have a pause here and take note that 9-space as 7-space in the role of dimension and as such, a reach for values of Ganita Sutras 10 to 16 unfolds simultaneously as 7 steps long range of values of structural keys values of seven letters of formulation (पूर्वेण) (5, 6, 2, 7, 6, 7, 1). And one shall sequentially glimpse and imbibe the same.





## TRANS SITTINGS-7

1. Sadhakas fulfilled with values of mathematics of Ganita Sutras 1 to 9 of structural keys of letters 1 to 9 of formulation (एकाधिकेन) text of Ganita Sutra 1 shall sit comfortably and to permit the transcending mind to be face to face with values of Ganita Sutras 10 to 16 unfolding in terms of structural keys of letters of formulation (पूर्वेण) of text of Ganita Sutra 1.
2. One may blissful re-capitulate structural keys embedded in letters 1 to 9 of formulation (एकाधिकेन) as values range (6, 4, 2, 7, 2, 4, 6, 8, 1).
3. This range of value sequentially brings us within 6-space as 6-space domain of 4-space as dimension and 2-space as dimension of dimension.
4. Transcendence along this format of sequential steps beginning with 6-space domain and sequentially of reach at 4-space dimension and 2-space dimension of dimension carries the process a step ahead at 0-space has dimension of 2-space and dimension of dimension of 4-space.
5. One may have a pause here and take note that this quadruple steps reach (6, 4, 2, 0) leads to origin of 6-space at its zero value.
6. One may further have a pause here and take note that 7-space plays the role of origin of 6-space and it marks its presence within 6-space domain at zero value but of dual status, firstly

- as a point of 6-space domain and secondly as seat of unity state origin (7-space as origin of 6-space.
7. One may further have a pause here and take note that seat of origin is the seat of compactification of sequential origins range as 7-space being the origin of 6-space, 8-space being the origin of 7-space.
  8. 8-space as origin of 7-space as fifth fold being base fold, the same with its transcendence from 7-space domain makes a transcendence spectrum (7, 8, 7) of summation value  $7+8+7 = 22$  which is parallel to summation value of four folds manifestation layer (4, 5, 6, 7) of hyper cube 6.
  9. One may have a pause here and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe these values and features of phenomenon at the seat of compactification of origins within 6-space domain.
  10. It will be further be a very blissful exercise to be face to face with the phenomenon of transcendence of 8-space origin of 7-space as split spectrum 7, 8, 7 making it a two folds flow from the middle on opposite side as a flow of a pair of stream of opposite orientations.
  11. It will further be blissful to take note that 0-space plays the role of origin of 2-space, as such the reach at value 0 at fourth step of quadruple values range 6, 4, 2, 0 shall be creating 2-space of 0 order and hence the reach being at 5<sup>th</sup> step as values range (6, 4, 2, 7, 2) of first five letters values of text of Ganita Sutra 1.

12. The sequential reach as values range (0, 2, 4, 6, 8, 10) with values range (2, 4, 6, 8) along 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> letter of the text of Ganita Sutra 1 brings us face to face with the five folds format as a transcendence range format while the initial four steps range value (6, 4, 2, 0) is of format of four folds of manifestation layer which takes uptill the seat of origin from where the transcendental fold takes off for five steps long progression.
13. One may have a pause here and take note that this makes a phenomenon of sequential transition which progressively takes to self referral 6 steps range and as such a reach ahead of values 8 being 10 and same as a single digit value as summation of values  $1+0 = 1$  makes the completion of chase in terms of the structural keys of 9 letters of formulation (एकाधिकेन) of Ganita Sutra 1.
14. One may have a pause here and take note that formulation Braham () is of TCV value 28 which has five proper divisors.
15. Further as that, formulation (Braham) on its unfolding makes value for letter raif as 3 and with it the TCV value for the formulation Braham becomes  $28+2 = 30$ .
16. It would be blissful to take note that values range from 1 to 28 leads to 56 factors which value (56) is double of value 28.
17. Likewise, value range 1 to 30 leads to 60 factors and value 60 is double of value 30. It is this unique feature of values 28 and value 30 which deserves to be comprehended well for its through appreciation as pair of values (28, 30) are of the format 28 as dimension and 30 as domain.

18. Further as that value 30 accepts organization  $30 = 6+7+8+9$  parallel to four folds manifestation layer 6, 7, 8, 9 of hyper cube 8 with 9-space as origin and 6-space as dimension fold.
19. One shall sit comfortably and to comprehend and imbibe these values and features as that values range 1 to 28 as double number of factors and values range 1 to 30 as well as double number of factors. And, as such the simultaneously happens duplication of value for dimension as well for the domain.
20. Now, formulation (प्रब्रह्म) is of TCV value  $7+28 = 35$  and letter wise unfolding of this formulation will bring in value 3 for letter Raif for both sub formulations (प्र), (ब्रह्म) the TCV value will become  $(7+2)+(28+1) = 9+30 = 39$  and thereby a reach from value 35 to value 39 as such will be a reach from value 35 as dimension of dimension to value 39 as domain.
21. One shall sit comfortably and to permit the transcending mind to continuously remain to glimpse and imbibe this phenomenon of reach from dimension to domain as values pair 28, 30 for formulation Braham and a reach from dimension of dimension to domain as values pair (35, 39) in case of formulation (प्रब्रह्म).
22. It is this phenomenon which deserves to be imbedded fully for its through appreciation to acquire proper insight and to attain appropriate enlightenment as that the formulation

(ब्रह्म) takes from dimension to domain while formulation

(प्रब्रह्म) takes from dimension of dimension to domain.

23. Further as that, value 35 with a organization  $35 = 5 \times 7$  is parallel to the dimensional frame of 7 transcendental dimensions and grid  $5 \times 7$  accommodates all 35 double digit numbers of 6 place value systems and 3 and higher number of digit values transcends this grid format.
24. One shall sit comfortably and to permit the transcending mind to be face to face with value  $(4+6)+(4 \times 6) = 34 = 7+8+9+10$  parallel to four folds manifestation layer 7, 8, 9, 10 of hyper cube 9 of unity state order (7-space as dimension, 10-space in the role of origin of 9-space).
25. Further as that transcendental range 7, 8, 9, 10, 11 is of summation value  $45 = 1+2+3+4+5+6+7+8+9$ , a feature which deserves to be comprehended well to appreciate the structural key as value 1 of ninth letter of formulation (एकाधिकेन) of the text of Ganita Sutra 1.

### VALUES PAIR (9, 7)

26. Values pair (9, 7) is of format (9-space as domain, 7-space as dimension) of transcendence range (7, 8, 9, 10, 11).
27. Values range 9, 7, 5 leads to values pair 9, 5 as of format of 9-space as domain and 5-space as dimension.
28. With it, the transition from values of mathematics of 9 letters range of formulation (एकाधिकेन) to values of mathematics of 7 letters range of formulation (पूर्वेण) as a transition from the

format of (domain, dimension), to format of (domain, dimension of dimension).

29. Formulation (पूर्वेण) is a composition of 3 syllables of 7 letters range of values (11, 15, 8) of summation value 34 which with organization  $34 = 7+8+9+10$  goes parallel to four folds manifestation layer (7, 8, 9, 10) of hyper cube 9 with 7-space in the role of dimension and 5-space in the role of dimension of dimension.
30. 7 steps long range of values of formulation (पूर्वेण) as structural keys of Ganita Sutras 10 to 16 permits tabulation as under:

SN	10	11	12	13	14	15	16
Letter	प्	ऊ	र्	व्	ए	ण्	अ
TCV	5	6	2	7	6	7	1
Sutra	10	11	12	13	14	15	16

### 31. CONTINUATION FROM FORMULATION (एकाधिकेन).

- 31.1 Formulation (पूर्वेण) carries structural keys in continuation of formulation (एकाधिकेन). Formulation (एकाधिकेन) carries structural keys of nine steps long

- range for values of mathematics of Ganita Sutras 1 to 9.
- 31.2 Formulation (पूर्वेण) in continuation carries structural keys of seven steps long range for reach at values of Ganita Sutras 10 to 16.
- 31.3 One may have a pause here and take note that values pair (9, 7) is parallel to the format of 9-space domain, 7-space dimension.
- 31.4 Further, values pair (9, 7) is parallel to (9 geometries range of 4-space, 7 geometries range of 3-space). Further, 4-space plays the role of dimension of 6-space while 3-space plays the role of dimension of 5-space.
- 31.5 One may have a pause here and take note that first letter of formulation (एकाधिकेन) is (ए), the sixth vowel which accepts TCV value 6 and parallel to it there is a format of 6-space, while first letter of formulation (पूर्वेण) is letter (प्) which accepts TCV Value 5 and parallel to it is the format of 5-space.
- 31.6 One may have a pause here and take note that 5-space plays the role of transcendental boundary of self referral domain (6-space) and simultaneously 5-space also plays the role of transcendental origin of creator's space (4-space), while 4-space plays the role of creative dimensional order of self referral domain (6-space).

- 31.7 One may have a pause here and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe these values and features.

## **32. DIVYA GANGA PARVAHA FROM ORB OF SUN**

- 32.1 Further, one may have a pause here and take note that vedic systems chase existence phenomenon of our solar universe as divya ganga parvaha from orb of the sun along artifices of Components of sole syllable om.
- 32.2 Sole syllable Om makes format of quadruple Components (Bindu Sarovar, Ardh matra, tripundra and swastik pada and these sequentially accepts association of values quadruple (1, 2, 3, 4) and divya ganga parvaha is of values quadruple (9, 7, 3, 1) and there is reach at pushpika of creator's space of transcendental origin.
- 32.3 Jyoti manifest and flows as divya ganga flow through quadruple Components of sole syllable om and same fulfills pushpika as a transcendental reservoir and as a transcendental phenomenon their happen transcendence phenomenon of upward flow from origin of pushpika for its reach back to orb of the Sun being the placement seat of bindu sarovar.
- 32.4 One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe this two folds transcendence phenomenon of divya



ganga parvaha from orb of the sun to reach to reach transcendental origin of pushpika and back from transcendental origin of pushpika to reach orb of the sun.

### **33. VALUES RANGE 10, 11, 12, 13, 14, 15, 16**

33.1 Values range 10, 11, 12, 13, 14, 15, 16 is of format features and values parallel to

- (i)  $10 = 1+2+3+4$ , parallel to four folds manifestation layer 1, 2, 3, 4 of hyper cube 3, the representative regular body of 3-space. Further, value 10 is parallel to the set up of creative boundary of 10 Components of transcendental domain.
- (ii) Value 11 is parallel to 11 geometries range of 5-space with 11 versions of hyper cube 5 being the representative regular bodies of 11 geometries of 5-space. Further, value 11 is parallel to the transcendence ranges synthesis format for synthesis of pair of transcendence ranges of equal order, as a result of which value 20 becomes the synthesis value of a pair of transcendence range of zero order and value 31 becomes the synthesis value of a pair of transcendence range of linear order and so on is the synthesis values sequence (20, 31, 42, 53, ...)

- (iii) Value 12 is parallel to the set up of transcendental (5-space) boundary of 12 Components of self referral domain (6-space).
- (iv) Value 13 is parallel to the transcendence spectrum format (4, 5, 4) for transcendence of 5-space origin from 4-space domain as a result of which 4-space domain splits into a pair of 4-space domains and transcendence spectrum (4, 5, 4) becomes of value  $4+5+4 = 13$ . Further as that value 13 is parallel to 12 edged cube manifesting 13<sup>th</sup> edged along the degree of freedom of motion of solids within 4-space. Still further, value 13 is parallel to 13 geometries range of 6-space.
- (v) Value 14 is parallel to self referral 6-apce boundary of unity state 7-space). Further value 14 accepts organization  $14 = 2+3+4+5$ , parallel to four folds manifestation layer 2, 3, 4, 5 of hyper cube 4, with transcendental origin 5-space) as origin of 4-space, and with transcendence of 5-space origin from 4-space domain, it comes in the role of transcendental dimension (5-space as dimension) of 7-space.
- (vi) Value 15 is parallel to the value of dimensional frame of five solid dimensions of 5-space. Further, value 15 is parallel to 15 geometries rnage of 7-space with 15 versions of hyper

cube 7, being the representative regular bodies of 15 geometries of 7-space.

(vii) Value 16 is parallel to value of dimensional frame of quadruple spatial dimensions of creator's space. Further value 16 is parallel to summation value of transcendence spectrum (5, 6, 5) of transcendence of self referral origin (6-space origin) of transcendental domain (5-space domain).

- 33.2 One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe these values and features to reach at values of mathematics of Ganita Sutras 10 to 16 in terms of structural keys being carried by letters of formulation (पूर्वेण) as a value range (5, 6, 2, 7, 6, 7, 1) of summation value 34 of inherent feature to be of value 35 with value for the letter Raif accepting value 3.
- 33.3 One may further have a pause here and take note that value 34 is of organization  $34 = 7+8+9+10$ , which is parallel to four folds manifestation layer of hyper cube 7, with 7-space in the role of dimension.
- 33.4 Further as that, value 35 with its organization  $35 = 5 \times 7$  is parallel to value of dimensional frame of 7 transcendental dimension (5-space as dimension of 7-space).

- 33.5 Still further, organization 5x7 is parallel to 5x7 grid which accommodates all 35 double digits number of 6 place value systems.
- 33.6 One shall sit comfortably and to glimpse and imbibe these values and features and to sequentially chase the organization format of Ganita Sutras 10 to 16.

### 34. GANITA SUTRA 10 यावदूनम्

## यावदूनम्

Letters 9, TCV value 41

SN	1	2	3	4	5	6	7	8	9
Letter	य्	आ	व्	अ	द्	ऊ	न्	अ	म्
TCV	1	2	7	1	6	6	8	1	9

- 34.1 Values pair (9, 41) will help us face association of value 9 with Bindu sarovar (first Components) of sole syllable om and its placement at orb of the sun will initiate divya ganga parvaha for its reach from first Components till fourth Component and the pair of values (1, 4) parallel to pair of Component (first Component, fourth Component) will make value (41).

- 34.2 One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features of divya ganga parvaha.
- 34.3 One may have a pause here and take note that 4-space plays the role of dimension of 6-space and the parvaha (flow) within affine creative dimension is of reach from first Components to the fourth Component. NVF (AFFINE) = 41. This affine flow format of creative dimension, as such remain restricted uptill creative domain and this reach remain deficient of potentiality of reach uptill the transcendental origin.
- 34.4 Simple rendering for formulation (यावदूनम्) is 'deficient'.
- 34.5 One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features.

35. Ganita Sutra 11 व्यष्टिसमष्टिः

व्यष्टिसमष्टिः

Letter 14, TCV value 58

SN	1	2	3	4	5	6	7	8	9	10
Letter	व्	य्	ट्	ष्	ट्	इ	स्	अ	म्	अ
TCV	7	1	1	6	3	2	3	1	9	1

SN	11	12	13	14						
Letter	ष	ट	ठ	:						
TCV	6	3	2	13						

35.1 Values pair (14, 58) brings us face to face with following organization format features:

- (i)  $14 = 2+3+4+5$  parallel to four folds manifestation layer (2, 3, 4, 5) of hyper cube 4, the representative regular body of 4-space.
- (ii) Hyper cube 14 is a four folds manifestation layer (12, 13, 14, 15) of summation value 56 and same as a dimension leads to 58 as value of the domain.
- (iii) One may have a pause here and take note that reach from hyper cube 4 to hyper cube 15 is a reach along the format of re-manifestation phenomenon.
- (iv) Value  $58 = 13+14+15+16$  parallel to four folds manifestation layer (13, 14, 15, 16) of hyper cube 15, with value 15 being parallel to solid dimensional frame of 5 solid dimensions of 5-space, in the role of origin of 4-space.

- 35.2 Formulation (व्यष्टि) is of simple rendering being 'part'/localized part' and formulation (समष्टिः) is of simple rendering being 'whole / universal whole'.
- 35.3 Creative format of spatial order 4-space sequentially takes us to hyper cube 4 and hyper cube 4 within hyper cube 4.
- 35.4 One shall glimpse fully for through appreciation the simultaneous manifestation and re-manifestation but at the same time being sequential phase of distinct features and values.
- 35.5 This further bring us face to face with format features and values of affine flow format within 4-space domain of value 41 along sole syllable om of reach from first Components to fourth Component and a step ahead, a reach from solid boundary of eight Component of hyper cube 4 to transcendental origin 5-space) seat within 4-space domain will make a flow of reach of value 58.
- 35.6 One may have a pause here and take note that second letter of formulation (पूर्वेण) is (ऊ) of TCV value 3+3 and is of the format of a pair of solids.
- 35.7 One may have a pause here and take note that first letter of formulation (पूर्वेण) is (प) of TCV value 5 and second letter of formulation (पूर्वेण) is (ऊ) is of TCV value 6 = 3+3 and dimensional synthesis equation comes to be  $(3, 3) = (5)$ .

- 35.8 One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe these values and features of structural keys pair (5, 3+3) of values of mathematics of Ganita Sutras 10 and 11.
- 35.9 Further, one shall sit comfortably and to permit the transcending mind to be face to face with two folds transcendental phenomenon of transcendental flow from orb of sun to transcendental origin of pushpika and back from transcendental origin of pushpika to orb of the sun and to fully glimpse the same as respective format of values pairs (9, 41) of Ganita Sutra 10 and value pair (14, 58) of Ganita Sutra 11.
- 35.10 It will be blissful to take note that value  $58 = 29+29$  with value 29 being parallel to TCV value 29 of formulation (ब्रह्मा), over lord of creator's space (4-space) and further as that value 29 is parallel to 29 versions of hyper cube 14 and still further, as that value 29 is the value of domain split spectrum stream at fourth stage of split:  
(1, 2, 5, 12, 29, 70, ...)
- 35.11 Further as that,  $4 = 2+2 = 2 \times 2 = (-2) \times (-2)$  and that 2-space as 5 geometries range and these features brings us face to face with the upward transcendence from transcendental origin of pushpika (hyper cube 4) for reach back to orb of the Sun as a format of Ganita Sutra 11 while the flow format of Ganita Sutra 10 is



of the format of flow orb of the sun within creative dimension of self referral domain (6-space).

35.12 One shall sit comfortably and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the values and format of Ganita Sutra 10 and Ganita Sutra 11.

### 36. GANITA SUTRA 12 शेषाण्यङ्केन चरमेण

शेषाण्यङ्केन चरमेण

Letter 20, TCV = 75

SN	1	2	3	4	5	6	7	8	9	10
Letter	श्	ए	ष्	आ	प्	ए	अ	ङ्	क्	ए
TCV	2	6	6	1	7	1	1	5	1	6
SN	11	12	13	14	15	16	17	18	19	20
Letter	न्	अ	च्	अ	र्	अ	म्	ए	प्	अ
TCV	8	1	2	1	3	1	9	6	7	1

- 36.1 Values pair (20, 75) brings us face to face with following organization format features and values:
- (i) Value 20 is parallel to value of Divya ganga parvaha (9+7+3+1).
  - (ii) Further, it is parallel to synthesis value 20 of a pair of transcendence ranges of zero order.  

$$[(0+1+2+3+4)+(0)+(0+1+2+3+4)] = 20$$
  - (iii) Value 75 is parallel to synthesis value 75 of a pair of transcendence range of transcendental order:  

$$[(5+6+7+8+9)+(5)+(5+6+7+8+9)] = 75$$
  - (iv) One may have a pause here and take note that the above pair of two folds transcendence of values pairs (9, 41) of the format of Ganita Sutra 10 and of values pair (14, 58) of the format of Ganita Sutra 11, as such bring us of reach from both orientations at transcendental origin of 4-space.
  - (v) Transcendental origin of 4-space is a origin seat point of dual status, firstly of zero value point within 4-space and second five value point of 5-space domain.
  - (vi) With it values pair (20, 75) of organization format of Ganita Sutra 12 brings us face to face with a pair of synthesis for a paired pairs of transcendence range of zero order and of transcendental order of values pair (20, 75).

- (vii) One shall sit comfortably and to permit the transcending mind in prolonged sitting of trans to thoroughly glimpse and imbibe these values and features in light of structural key value of letter Raif being (2).
- (viii) One may have a pause here and take note that this two folds transcendence phenomenon is within creator's space of spatial order (2-space in the role of dimension of 4-space.
- (ix) One shall sit comfortably and to permit he transcending mind to glimpse and imbibe these value and features of triple values pair (9, 41), (14, 58) and (20, 75) in reference to structural keys values triple (5, 3+3, 2) of first triple letter (प्, ऊ, ँ) of formulation (पूर्वेण).

### 37. Ganita Sutra 13 सोपान्तयद्वयमन्त्यम्

## सोपान्तयद्वयमन्त्यम्

Letters = 20, TCV = 80

SN	1	2	3	4	5	6	7	8	9	10
Letter	स्	ओ	प्	आ	च्	त्	य्	अ	द्	व्
TCV	3	7	5	2	8	4	1	1	6	7

SN	11	12	13	14	15	16	17	18	19	20
Letter	अ	य्	अ	म्	अ	न्	त्	य्	अ	म्
TCV	1	1	1	9	1	8	4	1	1	9

- 37.1 Values pair (20, 80) brings us face to face with value 20 being parallel to synthesis value 20 of a pair of transcendence range of zero order while value 80 brings us face to face as that 80 as domain, 78 as dimension, with  $78 = 18+19+20+21$  parallel to four folds manifestation layer 18, 19, 20, 21 of hyper cube 20.
- 37.2 One may have a pause here and take note that a reach from manifestation of four folds to transcendence therefrom as a five folds transcendence range and a synthesis of a pair of transcendence ranges and then synthesized transcendence ranges being as manifested four folds layer itself as a dimension and there being ultimate creation of a domain, is the reach being attained here.
- 37.3 One shall sit comfortably and to permit the transcending mind to sequentially glimpse it fully for its through imbibing and complete appreciation to acquire proper insight and to attain appropriate enlightenment about the values domain of

mathematics of Ganita Sutra reach uptill Ganita Sutra 13.

- 37.4 One may have a pause here and take note that value 80 with its organization  $80 = 8 \times 10$  brings us face to face with exhaustive coverage of entire creative boundary of ten Components of transcendental domain in terms of 80 cubes.
- 37.5 Further it will be blissful to take note that NVF (Creator) =  $(3+18+5+1+20+15+18) = 80$ .
- 37.6 One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features.

### 38. GANITA SUTRA 14 एकन्यूनेन पूर्वेण

#### एकन्यूनेन पूर्वेण

Letter = 17, TCV = 84

SN	1	2	3	4	5	6	7	8	9
Letter	ए	क्	ट	न्	य्	ऊ	न्	ए	न्
TCV	6	4	1	8	1	6	8	6	8

SN	10	11	12	13	14	15	16	17	
Letter	अ	प्	ऊ	ॠ	व्	ए	ण्	अ	
TCV	1	5	6	3	7	6	7	1	

- 38.1 Formulation (एकन्यूनेन) is of simple rendering 'one less than before'.
- 38.2 Values pair (17, 84) brings us face to face with values pair (18, 85).
- 38.3 One may have a pause here and take note that value 18 with its organization  $18 = 3+4+5+6$ , goes parallel to four folds manifestation layer 3, 4, 5, 6 of hyper cube 5, the representative regular body of 5-space in 4-space along the format of idol of lord Brahma, over lord of creator space (4-space).
- 38.4 Value 85 with its organization  $85 = 5+8 \times 10$  is parallel to the set up of five cube/ solid dimension +  $8 \times 10$  cubes coverage of entire creative boundary of ten Components of transcendental domain (5-space domain).
- 38.5 One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features.
- 38.6 With transition from ka Brahma to ka Shiv the value 85 will transit to value 86 which is parallel to synthesis

value of a pair of transcendence range of self referral order (6-space as dimension of 8-space):

$$[(6+7+8+9+10)+(6)+(6+7+8+9+10)] = 86$$

- 38.7 One may have a pause here and take note that structural key of Ganita Sutra 14 is carried by letter (ए) sixth vowel (the fifth letter) of formulation (पूर्वेण) and is of value six and of format of 6-space.
- 38.8 One may have a pause here and take note that Ganita Sutra 13 and Ganita Sutra 15 are of format of structural keys of 4<sup>th</sup> and 6<sup>th</sup> letter of formulation (पूर्वेण) of TCV value 7 each and of parallel format of 7-space.
- 38.9 One may further have a pause here and take note that 8-space as origin of 7-space gives rise to transcendence format (7, 8, 7) of summation value  $7+8+7 = 22$  parallel to summation value 22 of four folds manifestation layer 4, 5, 6, 7) of hyper cube 6, and 6-space plays the role of dimension of 8-space.
- 38.10 One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features.
- 38.11 It will be blissful to take note that NVF (CREATION) =  $(3+18+5+1+20+9+15+14) = 85$ ,  
and NVF (PARAGRAPH) =  $(16+1+18+1+7+18+1+16+8) = 86$ .

## 39. GANITA SUTRA 15 गुणितसमुच्चयः

## गुणितसमुच्चयः

Letters = 16, TCV = 56

SN	1	2	3	4	5	6	7	8
Letter	ग्	उ	प्	ठ	त्	अ	स्	अ
TCV	3	3	7	2	4	1	3	1
SN	9	10	11	12	13	14	15	16
Letter	म्	ठ	च्	च्	अ	य्	अ	:
TCV	9	3	2	2	1	1	1	13

- 39.1 Values pair (16, 56) brings us face to face with value 16 parallel to value  $16 = 2^4$  of dimensional frame of quadruple dimensions of creator's space (4-space).
- 39.2 Further, value 56 brings us face to face with value  $56 = 2+54 = 2+27+27 = 2+3^3+3^3$ .
- 39.3 One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features, in the light of the format features and



values of 4-space which amongst others, prominently are as follows:

- (i) 2-space plays the role of dimension of 4-space.
- (ii) Lord Brahma is the over lord of 4-space and formulation Brahma is of TCV value 29.
- (iii)  $(27, 27) = (29)$ .
- (iv) Transcendental origin (5-space as origin) of 4-space is of a solid order and a solid dimensional frame splits into a pair of solid dimensional frame of half dimensions, and as a result manifest a pair of half dimensional frames of three solid dimensions each of a solid dimensional frame of full dimensions, being a solid dimension of 5-space making a values pair  $(3^3, 3^3)$ .
- (v) Value 54 with its organization  $12+13+14+15$  is parallel to four folds manifestation layer  $12+13+14+15$  of hyper cube 14.

39.4 One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features to reach at  $(54, 54) = (56)$ , and  $(56, 56) = (58)$  with  $58 = 29+29 = \text{TCV (ब्रह्मा)} + \text{TCV (ब्रह्मा)}$ .

#### 40. GANITA SUTRA 16 गुणकसमुच्चयः

गुणकसमुच्चयः

Letter = 16, TCV = 55

SN	1	2	3	4	5	6	7	8
Letter	ग्	उ	प्	अ	क्	अ	स्	अ
TCV	3	3	7	1	4	1	3	1
SN	9	10	11	12	13	14	15	16
Letter	म्	उ	च्	च्	अ	य्	अ	:
TCV	9	3	2	2	1	1	1	13

- 40.1 Value pair (16, 55) transits into 16, 56 with ka Brahma transiting into ka Shiv.
- 40.2  $4 = 2+2 = 2 \times 2 = (-2) \times (-2)$  is the feature which makes addition and multiplication being indistinguishable within 4-space domain of spatial order.
- 40.3 It is this feature which pairs Ganita Sutras 15 and 16 as paired pairs of values (16, 56) and (16, 56) with Ganita Sutra 15 remaining as ka brahma and Ganita Sutra 16 as ka shiv.
- 40.4 Values pair (5, 6) brings us face to face with  $5 = 2+3$  and  $6 = 2 \times 3$ .

- 40.5 Further, 5-space plays the role of boundary of 6-space and also as origin of 4-space in the role of dimension of 6-space.
- 40.6 Further, four folds manifestation layer (4, 5, 6, 7) with 4-space as dimension, 7-space as origin brings us face to face with 5-space as origin of 4-space and 5-space as also dimension of 7-space.
- 40.7 Further, value  $15 = 1 \times 3 \times 5$  is parallel to value of dimensional frame of 5-space and value  $16 = 2^4$  is the value of dimensional frame of 4-space.
- 40.8 One shall sit comfortably and to permit the transcending mind to glimpse and imbibe these values and features.
- 40.9 Further, the value of 6<sup>th</sup> letters of formulation (पूर्वेण) namely (ण) is 7 while 7<sup>th</sup> letter of formulation (पूर्वेण) is (अ) is of TCV value 1.
- 40.10 It will be blissful to take note that TCV (एक) = 8.
- 40.11 TCV (सप्त) = 14
- 40.12 Transcendence format for transcendence of 8-space origin of 7-space is 7, 8, 7) of summation value  $7+8+7 = 22 = 4+5+6+7$ , parallel to four folds manifestation layer 4, 5, 6, 7 of hyper cube 6, the representative regular body of 6-space.
- 40.13 Srimad bhagwad geeta preserves the enlightenment.
- 40.14 (अक्षराणमकारोऽस्मि) 10.33: 'amongst akshar / syllables, I am akara': lord Krishna, incarnation of lord Vishnu, over lord of real 6-space.

- 40.15 One may have a pause here and to permit the transcending mind to glimpse and imbibe these values of approaching first letter (अ) as of value of sixth vowel.
- 40.16 One shall continuously remain in prolonged sitting of trans and to glimpse and imbibe these values and features:
- (i) TCV (विष्णु) = 25
  - (ii) (8, 9, 8) is transcendence spectrum of 9-space origin of 8-space of summation value  $8+9+8 = 25$ .
  - (iii) TCV (एक) = 8
  - (iv) 6-space plays the role of dimension of 8-space.
- 40.17 A step ahead, (9, 10, 9) is the transcendence spectrum of 10-space origin of 9-space is of summation value  $9+10+9 = 28$  parallel to TCV value 28 of formulation (ब्रह्म).
- 40.18 And, ब्रह्म विद्या (Brahma Vidhya) is of TCV value 46 which makes a reflection pair with value 64 leading to value  $46+64 = 110 = 55+55$  with TCV of formulation (गुणकसमुच्चयः) for Ka Brahma is (55) and spatial order of 4-space leads to  $55 + 55$ .
- 40.19 It would be blissful to take note that NVF (Sunlight) =  $54+56 = 110$  = NVF (Meditation).
- 40.20 Sadhakas fulfilled with intensity of urge to glimpse and imbibe the values of vedic mathematics shall sit comfortably and to permit the transcending mind to

continuously remain in prolonged sittings of trans and to sequentially glimpse and imbibe the values of mathematics of Ganita Sutras 1 to 16 in terms of the formats and values of structural keys being carried by the letters of text of Ganita Sutra 1 (एकाधिकेन पूर्वेण).

