

Sri – Om
VEDIC MATHEMATICS AWARENESS YEAR

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'Credit goes to Swami Bharti Krshna Tirtha Ji Maharaj to focus the attention of present generation about the values of Ganita Sutras (mental Mathematics Sutras)'

All are invited to join Awareness program

All are warmly invited to join the awareness program of Vedic Mathematics. All teachers, parents and students are invited to Learn and Teach Vedic Mathematics for proper intelligence growth at School.

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Sh. Rakesh Bhatia
Sh. Bhim Sein Khanna
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- Organizers

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Vedic Systems Chase
'Words' formulation-II
Continued ...

18. Alphabet letters classification as vowels and consonants is parallel to classification of roles of dimensional frames and dimensional domains.
19. With it, the organization accepts transition from individual alphabet letters as constituents (structural constituents) to syllables as constituents (structural constituents). For this role, Devnagri alphabet vowels are associated matra (मात्रा) measures (values).
20. Here it would be relevant to note that Vedic Systems accept measuring rods permitting association of distinct measures.
21. The measure (unit) and measuring rod (unit) are coordinated as (dimension fold, domain fold).
22. Therefore syllables are the structural constituents of format and features of domains within dimensional frames.
23. The range of formulations [(ब्रह्म्), (पदम्), (विष्णु), (शिव), (भागवत), (भविष्य), (नारद), (मारकेण्डय) (अग्नि) (वेवरत ब्रह्म्), (लिंग), (वराह), (स्कन्द), (वामन), (कूर्म), (मत्स्य), (गरुण), (ब्रह्माण्)] permit chase in terms of syllables.
24. The formulation (ब्रह्म्) is a composition of two syllables (ब्र) and (ह्म).
25. This pair of syllables are of TCV values, TCV (ब्र)=9 and TCV (ह्म)=19.
26. Here it would be relevant to note that artifices pair (9, 19) accept re-organization as $(2x 4 + 1)$, $(2x 9 + 1)$

27. One may have a pause here and take note that the 4-space accepts 9 geometries range while 9-space accepts 19 geometries range
28. Like that all other formulations of range [(ब्रह्म्) , (पदम्) , (विष्णु) , (शिव) , (भागवत्) , (भविष्य) , (नारद) , (मारकेण्डय) , (अग्नि) , (वेवरत ब्रह्म्) , (लिंग) , (वराह) , (स्कन्द) , (वामन) , (कूर्म) , (मतस्य) , (गरुण) , (ब्रह्माणू)] on their chase in terms of syllables as constituents shall be leading us to further insight about the formats, features, values, virtues and orders of these formulations. The chase of this range of 18 formulations in terms of their syllables constituents is going to be a very blissful exercise and this chase shall be leading to deep insight about the Vedic Systems.

18-12-2014

Dr. S. K. Kapoor, *(Ved Ratan)*

VMS & T Project
School Text Books
(Class IX, X, XI & XII)

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VMS & T Text Book Class XI
(5-space)

Part – 2 Ganita Sutras and Transcendental (5-space) domain

Chapter-10 *Along the format of Ganita Sutra 3*

संकलनव्यवकलनाभ्याम् । *Sankalana-vyavakalanbhyam*

I. TEXT

Sanskrit

संकलनव्यवकलनाभ्याम् । ।

Roman script

Sankalana-vyavakalanbhyam

Simple English rendering

Simultaneous addition and minus format

II. TECHNICAL FORMULATIONS

(i) संकलन

(ii) व्यवकलनाभ्याम्

are a pair of formulation / technical terms accepting simple English Rendering for them Being 'Addition' and 'Minus' respectively. The organization format of this Sutra text is of the format and features of a format for simultaneous addition and minus.

It is like a format of interval being of a pair of orientations.

III. Letter wise chace of the Text

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

IV. Transcendental code values of 24 letters of the text of Ganita Sutras 7 leads to:

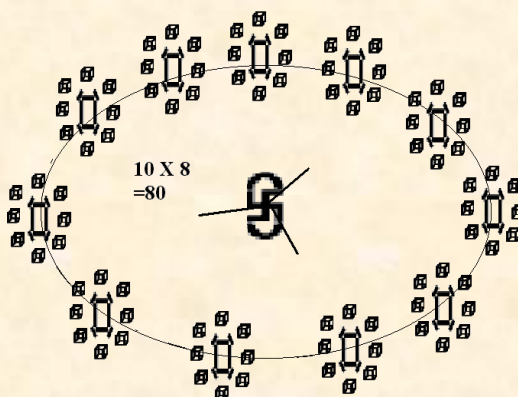
Sn	1	2	3	4	5	6	7	8	9	10
Letter	स्	अ	.	क्	अ	ल्	अ	न्	अ	व्
TCV	3	1	9	1	1	5	1	8	1	7
Sn	11	12	13	14	15	16	17	18	19	20
Letter	य्	अ	व्	अ	क्	अ	ल्	अ	न्	आ
TCV	1	1	7	1	1	1	5	1	8	2

Sn	21	22	23	24					
Letter	भ्	य्	आ	म्					
TCV	8	1	2	9					
Total TCV value of the full text of Ganita Sutra 7 = 85									

V. One may have a pause here and take note that artifice 24 parallel to range of 24 letters of the text of Ganita Sutra 7 on its organization as $24 = 6 \times 4$ shall be leading to a matrix format 4×6 for the organization of double digit numbers of five place value as under:-

01	02	03	04	
10	11	12	13	
14	20	21	22	
23	24	30	31	
32	33	34	40	
41	42	43	44	100

- (vi) One may have a pause here and take note that artifice 24 is parallel to dimensional frame of six space with each dimension being of a creative order (4-space as dimension) and that six such dimension constitute a dimensional frame for 6-space (Sun).
- (vii) One may further have a pause here and take note that artifice 85 is parallel to the creation of the format and features of the set up of 85 solids / cubes, permitting symbolic expression parallel to $85 = 5 + 8 \times 10$.



(viii) One may have a pause here and be face to face with syllables constituents of the text of Ganita Sutra 7.

Sn.	1	2	3	4	5	6	7	8	9	10
Syllable	सं	क	ल	न	व्य	व	क	ल	ना	भ्याम्
TCV	13	2	6	9	9	8	2	6	10	20

- (ix) It would be a blissful exercise this ten steps long syllables range within 4-space as creative boundary of ten components of transcendental (5-space) domain.
- (x) Further, it also would be relevant to note that the creative boundary of ten components of transcendental (5-space) domain provides a format for ten place value system.

- (xi) Further it also would be relevant to note that 9 numerals of ten place value system are of organization range parallel to 9 geometries range of 4-space / I versions of hyper cube 4.
- (xii) Still further it also would be relevant to note that the organization of artifices values along ten place value format would be of sequential order ($10^0, 10^1, 10^2, 10^3, \dots$).
- (xiii) One may have a pause here and take note that the pair of consecutive place values of ten place value system and parallel range values ($10^0, 10^1, 10^2, 10^3, \dots$) makes second value of the pair being ten times the values of the first member of the pair.
- (xiv) With it a shift from first member to the next member and vice versa shift from second member to the first member, shall be increasing or decreasing the value 9 times.
- (xv) With it the artifice value $85 - 9 = 76$ shall be leading us to the working format of the Ganita Sutra 7.
- (xvi) One may further have a pause here and take note that hyper circle 1 to 7 increase while hyper circle 8 onwards decrease.
- (xvii) It would further be relevant to note that the above feature is there because of linear order 3-space accepts 7 geometries range while 4-space accepts a spatial dimensional order.
- (xviii) Further it also relevant to note that $4 = 2 + 2 = 2 \times 2 = (-2) \times (-2)$ is a unique artifices along whose format not only addition and multiplication operation get super imposed in distinguishably but also the pair of orientation as well get super imposed indistinguishably.
- (xix) These features shall be making 4-space providing creative format of hyper cube 4 for manifestation of whole range of manifested bodies as of the formats of hyper cubes.
- (xx) Let us have a fresh look at the set up of an interval.
- (xxi) A visit to this set up shall be helping us decipher out pair of orientations parallel to values of artifices pair (-1, 1).
- (xxii) Further points as end points of interval being of zero length and as such being 0-space bodies shall be making out domain boundary ratio for hyper cube 1 as $A^1: 2A^0$.
- (xxiii) Further it also would be relevant to note that artifices pair (0, 0) as a pair of 0 dimensions shall be synthesizing 2-space domain, which plays the role of spatial dimension of creator's space (4-space).
- (xxiv) The summation value of four folds of manifestation layer (-1, 0, 1, 2) of hyper cube 1 comes to be '2'.
- (xxv) It is this feature of organization format of hyper cube 1 which deserve to be chased to be comprehended well for its thorough appreciation and complete imbibing to have full insight about the organization format of the text of Ganita Sutra 7 being of the features of simultaneous addition and minus permissibility for the creation.
- (xxvi) Here it also would be relevant to note that $NVF (\text{Creation}) = 85$.
- (xxvii) It is further as that $NVF (\text{Addition}) = 76 = NVF (\text{minus})$.