

Sri – Om
VEDIC MATHEMATICS AWARENESS YEAR

E-Newsletter Issue no 31 dated 11-11-2014

'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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LEARNING WITH SELF LEARNING

(Chapter from Book 'Vedic Mathematics (organization format of Ganita Sutras) of Dr. S. K. Kapoor)

LESSON - 09

FOCUS: GANITA SUTRA-1 Ganita Sutra-1

एकाधिकेन पूर्वेण (Ekadhiken Purvena)
One more than before

Sixteen sequential stages

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
ए क् आ ध् इ क् ए न् अ प् ऊ श्र् व् ए ण् ट

The sixteen letters of the text of *Ganita Sutra-1* manifest the sixteen sequential stages of the Sutra. These sequential stages are the sequential folds of the Ganita Sutras (including *Ganita Upsutras*). The *Ganita Sutras* range of artifice sixteen while *Ganita Upsutras* range is of artifice thirteen along the three points fixation of the range format coordinating, beginning, middle and end.

The first sequential stage of manifestation is *Ganita Sutra-1* itself. The sequential stage is expressible as the artifice format of very first letter of the text of *Ganita Sutra-1*, that is, the sixth vowel (ए) . This vowel repeats thrice in the text as first, seventh and fourteenth letter.

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As such the three specific joints, as beginning, middle and end of the range format emerged to be the first, seventh and fourteenth sutras placements. With it the sequential unfoldment phases and stages of *Ganita Upsutras* 1 to 13 are to run parallel to the artifices of letters 2nd, 3rd, 4th, 5th, 6th, 8th, 9th, 10th, 11th, 12th, 13th, 15th, and 16th respectively. Illustratively, the phase and stage of unfoldment of *Ganita Upsutra-1* is to avail the artifice of second letter of the text of *Ganita Sutra-1*

The sadhkas fulfilled with an intensity of urge to know and to chase the unfoldment of the text of *Ganita Sutras* (including *Ganita Upsutras*) shall approach the Vedic mathematics systems the Vedic way. The recitation of the twelve transcendental names of *Lord Ganesh* shall be causing initiation of emergence of the transcendental phenomena for the chase of the transcending mind for perfection of intelligence parallel to the attainments of the consciousness states by the sadhkas. *Suriya namaskar* shall be connecting the processing systems of the transcending mind with the *Divya pursha* lively within orb of the Sun with it the transcendence of the mind and its glimpsing of the inner folds and the inner most fold of the transcendental worlds shall be attaining parallel consciousness state supplying quantifiers for the states of intelligence field. The rest is just the play of automation process of God state of consciousness attaining unity state of consciousness and consequential perfection of intelligence. It is this play of automation process which gets initiated with the sadhkas availing artifice of sixth vowel during transcendence and attaining perfection of intelligence as well as the sequential unfoldment process of the Brahman order.

As such the sadhkas fulfilled with the intensity of urge to know and chase along the Vedic mathematics systems shall approach Vedic knowledge the Vedic way and go in 'TRANS' time and again and glimpse the inner folds and inner most fold of the transcendental worlds as a seat of self referral domain of *Vishnu lok/atman/Go-lok/Divya pursha/God state of consciousness/Format of idol of Lord Vishnu/ Hypercube-6/6-space/artifice 6/Sixth vowel (ॠ)/Sathapatya* measuring rod with Lord Brahma, Creator the supreme as presiding deity of the measure. With this the source reservoir of Brahman domain manifesting as Creator's space becomes available for the sadhkas as sole syllable 'Om' as the source formulation of designations '*Ek akshar Braham*' of four folds parallel to four quarter of Brahman, four quarter of atman, four Vedas, past, present, future and that transcends them as synthesis of three letters of *Om as Aum*, viz., A, U, M together synthesising a distinct fourth quarter 'AUM'.

It is this way *Om* (ॐ) is the source formulation for chase of *Ganita Sutra-1*. As such the chase of manifestation of *Ganita Sutra-1* along its transcendental base, is to begin with tapping of the source reservoir along the artifices of source formulation *Om* (ॐ) by approaching it quarter by quarter and the fourth quarter as synthesis of the first three quarter. This chase of four quarter manifestation beginning with our *Triloki* (3-space) takes us upto *Suriya* (6-space). The first three quarter together manifest the range (3-space, 4-space, 5-space) and the last

fourth quarter manifesting as (6-space). The linear order as dimension of dimension of transcendental worlds (5-space) transforms as spatial order of dimension of dimension of self referral domain (6-space).

The different roles of 6-space as manifestation layers folds may be tabulated as under:

Manifestation Layer	Dimension Fold	Boundary Fold	Domain Fold	Origin Fold
5 th	3-space	4-space	5-space	6-space
6 th	4-space	5-space	6-space	7-space
7 th	5-space	6-space	7-space	8-space
8 th	6-space	7-space	8-space	9-space

This background of different features of Vishnu *lok/atman/Divya pursha/Go-Lok/Format* of idol of Lord Vishnu/Hyper cube-6/6-space/artifice 6/*Pursha format/Sathapatya* measuring rod/6th vowel may help the sadhkas to conveyance themselves as to the need of intellectual chase as well as the need of availing this artifice format of 6th vowel for transcendence and glimpsing of the inner folds and inner most fold of the transcendental worlds, for glimpsing the seat of self referral domain within the transcendental worlds, for fulfilling the mind with ambrosia of bliss of the God State of consciousness lively at the seat of self referral domain within transcendental worlds as there ultimate fold.

The intellectual chase of artifice-6 shall be focusing upon the features of this artifice accepting organisation as $1+2+3=1 \times 2 \times 3=2+2+2=3+3=6$ which to permit chase along monad (as 6), along di-monad (as 3+3), along tri-monad (as 2+2+2) and further the sequential increase feature as merger of addition and multiplication operation (being $1+2+3=1 \times 2 \times 3$). These are just initial stage features of this artifice. The further chase of this artifice by transcendence to the format beneath this artifice as of the order of 6-space shall be sequentially leading to features of artifices 06, 16, 26, 36, 46, 56, 66, 76 and so on. These artifices with 6 at unit place are manifesting distinct features of 6-space as much as that $16=5+6+5$ is linear expression for 6-space as domain within 5-space as boundary.

This feature, as such shall be helping the chase of the sequential phases and stages of organisation format of *Ganita Sutra-1* on the one hand, and the whole range of 16 *Ganita Sutras* on the other hand. Here in the context it would be relevant to mention as that the artifice 13 of the range of 13 *Ganita Sutras* admits accepts linear expression for 5-space as domain within 4-space as boundary ($13=4+5+4$). This as such shall be jointly manifesting 16 *Ganita Sutras* and 13 *Ganita Upsutras* as Hypercube-6 within transcendental boundary manifesting as hypercube-5. The artifice 26 is parallel to 26 basic elements of Vishnu lok. And, like that, sequentially the chase shall be unfolding different phases and stages of unfoldment of different features.

Thirteen sequential stages

The sixth vowel (,) marks its presence thrice as first,

seventh and fourteenth letter of the text of *Ganita Sutra-1*. First Sutra is of working rule (one more than before) while the fourteenth Sutra is of working rule (one less than before). These rules supply the formats for addition and subtraction operation respectively. The seventh Sutra (***Sankalana-Vyaykalna-Bhayam***) is simultaneous addition and subtraction. These three placements stitch the range at these three places as beginning, middle and end. Along this format stand organize the thirteen Ganita Upsutras as thirteen sequential steps.

The artifices sixteen and thirteen respectively accept organisation arrangements with coordination of artifices as $5+6+5$ and $4+5+4$. Parallel to these manifest hypercube-6 domain within 5-space boundary and hypercube-5 domain within 4-space boundary. These together manifest hypercube-6 within hypercube-5.

The artifice 13 as 13 edged cube is hypercube-4 manifesting within Creator's space. The spatial order of Creator's space as a pairing operation works out $13+13=26$ basic elements formats of Vishnulok (6-space) with spatial order of Creator's space being dimension of dimension of 6-space. This way Ganita Sutras take the features of sixteen Ganita Sutra a step ahead as 26 basic elements order of 6-space attainable through pairing operation within Creator's space. With it stands established the sathapatya measuring rod with Lord Vishnu as its presiding deity provide Lord Brahma, Creator the supreme being the presiding deity of the measure of this measuring rod.

The chase of 16 sequential steps of the range of 16 Ganita Sutras and the chase of 13 sequential steps of the range of 13 Ganita Upsutras may be chased independently as well as simultaneously along the format of hypercube-6 as representative regular body of 6-space. The Ganita Sutras range of 16 sequential steps may be chased with focus upon 6-space in the role of domain but manifesting within transcendental boundary (5-space). The Ganita Upsutras range of 13 sequential steps may be chased with focus upon 5-space in the role of boundary but within a manifested boundary (4-space).

The three point fixation of the base in terms of artifices of 6th vowel as first, seventh and fourteenth letter respectively, as beginning, middle and end points puts forward three different ways for chase of the sequential steps for both Ganita Sutras as well as Ganita Upsutras.

The first way is as is being taken up above of beginning with the first letter and reaching upto the sixteenth letter as the last letter. The second way is to begin from the middle and proceed towards either end. The third way is to begin with the last letter and reach upto the first letter.

This way, it may be evident, as that the organisation format of Ganita Sutras and Upsutras is structurally very rich. The full features of this organisation format can only be glimpsed by the transcending mind. Once these features are to be experientially glimpsed and it is only thereafter that those can be intellectually chased in terms of perfected intelligence.

As such the sadhkas fulfilled with an intensity of urge to know and to chase the full features of organisational format of Ganita Sutras shall permit the mind to transcend availing the artifices of Ganita Sutras and Upsutras and to glimpse the inner folds and inner most fold of the transcendental worlds and to

attain perfection of intelligence with the privilege of automation process of the God state of consciousness of self referral domain lively as the ultimate fold of the transcendental worlds.

Initially the sadhkas shall transcend along the artifices of the text of Ganita Sutra-1 and thereafter to sequentially continue chase along the artifices of the other texts of Sutras and Upsutras.

First letter of Sutras

Introductory

1. Sixth vowel (,) is the first letter of the text of Ganita Sutra (including Upsutras).
2. The artifices formats parallel to the artifice format of sixth letter (ॠ), amongst others, are (i) 6-space, (ii) hypercube-6, (iii) artifice-6, (iv) Vishnu lok, (v) Atman, (vi) Go-lok, (vii) Divya pursha, (viii) Pursha format, (ix) format of idol of Lord Vishnu, (x) Pursha format, (xi) Shad Chakra format of human frame.
3. The first set of features of artifice 6 namely $6=3+3=2+2+2=1+2+3=1\times 2\times 3$ are approachable firstly along monad format (artifice-6), secondly along di-monad format (3+3), thirdly along tri-monad format (2+2+2), and fourthly as sequential order ($1+2+3=1\times 2\times 3$) thereby the addition and multiplication operations on repeated application merge at same value.
4. The script form (ॠ), its sequential order and placement as sixth vowel and its acceptance as the first letter of the text of Ganita Sutras (including Upsutras), every feature connected there with is precisely settled one.
5. Panch Mahabhut and ahead at sixth placement being the sun, makes a range with placement for the sixth vowel within orb of the sun.
6. Chapter-1 and Chapter-6 of Srimad Bhagwad Geeta has same range of shlokas 47 of the order of the electronic number of symbol and NVF (middle)=47.

Transition from 06 to 16

1. The first feature of the organisation format of Ganita sutras is that it accepts expression for its range as of artifice 16.
2. The expression range of letters availed for composition of the text of Ganita Sutra-1 as well is of the range of artifice 16.

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News and Views

Invitation for participation in Vedic Mathematics textbooks project

INVITATION

1. We are undertaking the project of settling Vedic Mathematics text books for schools.
2. This project is for settlement of text books of Vedic Mathematics for classes eight to twelfth.
3. Text book for each class would be of three parts
Part – 1 'Vedic Mathematics for class VIII
(likewise for class 9, class 10, class 11 and class 12)
Part – 2 'Vedic Mathematics exercises for class VIII'
(likewise for class 9, class 10, class 11 and class 12)
Part – 3 'Teaching and evaluation manual of Vedic Mathematics for class VIII'
(likewise for class 9, class 10, class 11 and class 12)
4. Each sutra and Upsutra would be taken up in separate section exclusively devoted to particular Sutra / Upsutra.
5. This way in all, there would be 29 sections for coverage of all the sixteen Sutras and 13 Upsutras.
6. Participants may contribute for all the 29 sections but each Sutra and Upsutra shall be taken up as independent aspect of values of mathematics as every Sutra values are to be covered in distinct section.
7. The intellectual contribution of participants shall be duly recognized and same shall be properly respected.
8. In the light of this theme, we shall be making separate requests for each sutra and upsutra.

Request of participation about the values of Ganita Sutra 10

यावदूनम् ।

By the Deficiency

1. We feel privileged to request all to participate in our project of Vedic Mathematics text books for classes eight to twelfth.

2. We request you all to participate and contribute your intellectual inputs about the values of Ganita Sutra 10.
3. Also contribute about the values of Ganita Sutra 10 as being complemented and supplemented by the values of other Sutras and Upsutras.
4. We shall be highly thankful for this participation and contribution.
5. We shall be duly recognizing this participation and contribution of intellectual inputs about the values of Ganita Sutra 10.
6. We shall be highly being our respects and thanks in recognition of the intellectual inputs of participants.
7. It is a noble cause.
8. Please participate.

11-11-2014

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