**Vedic Mathematics, Science & Technology
Teacher Course**

By Dr. S. K. Kapoor

6-SPACE AS DOMAIN & 4-SPACE AS DIMENSION

This day the course focus is upon '6-space as domain & 4-space as dimension'. It four folds aspects being taken up are as follows:

41. 6 space as domain & 4 space as dimension.
42. 6 space as origin of 5 space & 5 space as origin of 4 space.
43. Ganita Sutra 1
44. Sathapatya measuring rod (Format feature)

The values being covered are to be taught as lessons numbers 41 to 44 to the students of 6-space Vedic Mathematics, Science & Technology.

LESSON-41

6 space as domain & 4 space as dimension

1. One basic feature of 6 space Mathematics is that it approaches 6-space domain in terms of 4-space as dimension.
2. This approach is the approach of Sathapatya Measuring Rod which accepts Lord Vishnu, the overlord of 6

space as the presiding deity of Sathapatya Measuring Rod while Lord Brahma, the over Lord of 4-space, is the presiding deity of measure of the Sathapatya Measuring Rod.

3. With 4-space as dimension means that 6-space 'domain' is of a creative dimensional order (4-space in the role of dimension).

4. Creative dimensional order (4-space as dimension) leads to '4' as '1' as the unit measure.

5. Vedic systems work out with this creative unit (4 as 1) as 'sole syllable Om' being of 4 components, designated as Bindu Sarovar, Ardh Matra, Tri-Pundrum and Swastik Pada.

6. Sole syllable Om is formulated as 'AUM' as a composition of three letters 'A, U, M' as first three components and fourth component is the integrated state of value 'AUM'.

7. One may have a pause here and take note that this feature of fourth component being the integrated state of first three components is parallel to three quarters squares of a square, on their integration, inherently manifest fourth quarter of the square as well.

8. Further it also would be relevant to take note that triple letters 'A, U, M' on their acceptance of values triples (1, 3, 9) also brings us to focus the first triple value of the values sequence $(3^0, 3^1, 3^2, \text{-----})$.

9. One may have a pause here and take note that value 3 as the third fold / domain fold, shall be bringing to focus its parallel format with values sequence $(1^0, 1^1, 1^2, \text{-----})$ with one as well being a domain fold of 1-space, which otherwise, in relation to 3-space as domain, is of 'dimension, domain' relationship but nevertheless in the

role of dimension fold as well, it is the domain fold of 1 space / hyper cube 1, which is playing such role.

10. Here in the context the values accepted by formulations 'Ek' and 'Tree' being equal as '8' which accepts reorganization as $8 = 2^3$ will help us comprehend and appreciate as to how the 4-space domain permits chase.

11. Here it would also be relevant to note that hyper cube 4 as its representative regular body is of the feature as that 4 space domain is enveloped within a solid boundary of 8 components and with strip off of solid boundary, the outside space gets structured as a solid order transcendental domain (5-space of 3-space as its dimensional order).

12. One may have a pause here and take note that 5 space plays the role of origin of 4 space and transcendence at origin of 4 space leads to 6 space as the self referral base of transcendental origin (5 space as origin) of creative domain (4 space domain) .

13. One shall sit comfortably and permit the transcending mind to glimpse and imbibe these values of creative dimensional order (4 space as dimension) of self referral domain (6 space as domain)to have proper insight and appropriate enlightenment about 6 space Mathematics, Sciences and Technologies, with focus upon 6 space permitting its location at origin of 5 space.

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LESSON-42

6 space as origin of 5 space & 5 space as origin of 4 space

1. Let us sit comfortably and permit the transcending mind to be self referral to glimpse, comprehend and to appreciate the happening of transcendence phenomenon within Creator's space (4 space) .
2. Creator's space (4 space) is of transcendental origin within 5 space as origin of 4 space.
3. Hyper cube 5, the representative regular body of 5 space manifests within 4 space as a four fold manifestation layer with a self referral origin (6 space as origin) permitting transcendence to its unity state base (7 space as base).
4. During transcendence through transcendental domain (5 space domain), the self referral origin (6 space as origin) gets released from transcendental domain (5 space domain)
5. With this release, the parallel value format range comes to be (5, 6+5) = 16.
6. The parallel transcendence phenomenon happens at the creative boundary (4 space as boundary) of transcendental domain (5 space domain) itself and thereby there happens to be release of transcendental origin (5 space as origin) of Creator's space domain (4 space domain) and thereby emerges parallel values range (4+5+4))=13 .
7. It is this simultaneous emergence of a parallel values ranges (5+6+5)= 16 and (4+5+4)=13 during transcendence for the transcendental domain enveloped

within Creative boundary, deserve to be comprehended well for its thorough imbibing to have its complete appreciation to attain deep insight and appropriate enlightenment for manifestation of the format of 16 Ganita Sutras and 13 Ganita upsutras values of 6 space Mathematics.

8. One shall permit the transcending mind to continuously remain in prolonged sitting of TRANS and to glimpse and imbibe the values of the transcendence phenomenon through the transcendental domain (5 space) enveloped with Creator's space (4 space) while Creator's space is in the role of dimension of Self Referral domain(6 space domain) with unity origin (7 space origin) and Asht Prakarti base (8 space base) of Nav-Braham format (9 space format)

9. One shall further permit the transcending mind to continuously remain in prolonged sitting of TRANS and to glimpse this transcendence phenomenon happening within Creator's space itself.

10. One shall further glimpse and imbibe the values of the sequential range of 4 space to 9 space as a six steps long self referral range, simultaneously coming into play and manifesting a Self Referral format within Creator's space itself.

11. It would be a blissful exercise to chase 4 space as dimension, 5 space as boundary , 6 space as domain, 7 space as origin, 8 space as base & 9 space as format of the base.

12. It would further be blissful to glimpse these features of 6 space as 6 space domain with 4 space as dimension, 5 space as boundary ,7 space as origin, 8 space as base and 9 space as format of the base.

LESSON-43

Ganita Sutra 1

GANITA SUTRA 1

TEXT

एकाधिकेन पूर्वेण
Ekadhiken Purvena
One more than before

Letter wise chase

1	2	3	4	5	6	7	8	9
ए	क्	टा	ध्	ठ	क्	ए	न्	अ
10	11	12	13	14	15	16		
पू	उ	रू	व्	ए	ण्	अ		

Letter wise transcendental code values.

FIRST WORD

S.No.	1	2	3	4	5	6	7	8	9

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Letter	ए	क्	आ	ध्	ठ	क्	ए	न्	ट
TCV	6	4	2	7	2	4	6	8	1
SECOND WORD									
S.No.	1	2	3	3	5	6	7		
Letter	प्	ड	र्	व्	ए	ण्	अ		
TCV	5	6	2	7	6	7	1		

1. Read the text of Ganita Sutra 1 "एकाधिकेन पूर्वेण".
2. Pronounce the text loudly..
3. Recite the text softly .
4. Glimpse the value of the text as a rule " one more than before"
5. Chase the text letterwise, from its first letter as sixth vowel to the last sixteenth letter as first vowel.
6. Visit the above letterwise tabulation of the text by appreciating the placement of each letter of the text
7. Visit the above tabulation of values (transcendental code value) associated with first to sixteenth letter of the text
8. Disrtinctively glimpse the first word formulation ("एकाधिकेन) of the text of 9 letters and second text of the formulation (पूर्वेण) of seven letters.
9. Chase the values string (6, 4, 2, 7, 2, 4, 6, 8, 1) of 9 steps of values of 9 letters of first formulation (एकाधिकेन)
10. Chase the values string (5, 6, 2, 7, 6, 7, 1) of 7 steps of values of 7 letters of second formulation (पूर्वेण) .
11. Chase sequential transition from value of first letter to value of second letter, then from value of second letter

to value of third letter and so on uptil the value of eighth letter to nineth letter of first word formulation of the text of Ganita Sutra 1.

12. And likewise to chase sequential transition for the values of the letters of second formulation of the text of Ganita Sutra 1.

13. This chase will bring one face to face with the internal structural set up of the rule and values of the Ganita Sutra 1 and of its Mathematics of pure and applied domain.

14. Here, the rule of association of transcendental code value with letters of text of Ganita Sutra 1 is to be comprehended and to be appreciated first to have proper association of the same with letters of the text.

15. Further the parallel of artifices of numbers and of dimensional spaces as well is to be appreciated as Yoga Nishtha and Sankhya Nishtha running parallel to each other and same complementing and supplementing each other at every processing step.

16. Yoga Nishtha presumes the existence of artifices of numbers and avails dimensional frames for the space to chase existence phenomenon .

17. On the other hand Sankhya Nishtha presumes the existence of geometrical format and avail artifices of numbers to chase existence phenomenon within framed spaces.

18. Further, here the format features of transcendence within the Self Referral domain (6 space) as well as within dimensional domain within 5 space from domain to dimension to dimension of dimension , as well is to be comprehended well being at work.

19. With these three fold preliminary comprehension, firstly of transcendental code values accepted by the individual letter of the text, secondly there being parallel processing steps for artifices of numbers and dimensional frames and thirdly the potentiality of transcendence within Self Referral domain and transcendental domain uptil dimension of dimension level, one is to proceed further for comprehension and appreciation of the Mathematics of Ganita Sutra 1 in particular and all the Ganita Sutras and Upsutras, in general.

20. This chase, as such gets focused as a chase of a pair of letters of the text as a pair of formulations accepting a pair of values parallel to which there are a pair of geometric formats as coordinated structural links of the Self Referral domain (6 space) and transcendental domain (5 space).

21. It is of the following chase features:

PAIR OF FORMULATIONS

IST WORD VALUES STRINGS

1. First word formulation of the text of Ganita Sutra 1 is Ekadhikena.
2. The formulation Ekadhikena avails 9 letters, which are of sequential placement as under:

1	2	3	4	5	6	7	8	9
ए	क्	टा	ध्	ठ	क्	ए	न्	अ

3. These letters as per their sequential placements when lead to the values string ((6,4,2,7,2,4,6,8,1) with structural reach at the third letter value 2 = 1+1 and that way making it as of 10 steps long values string (6,4,(1,1),7,2,4,6,8,1) brings us face to face with and gives us the glimpse of the mathematical domain of geometrical format parallel to these values steps.

FIRST STEP VALUE:

1. The first step value is 6.
2. Parallel to it is the format of 6 space.
3. This as such brings us face to face with the 6 space domain .
4. The values and features of 6 space domain as such become the starting point.
5. It is the initiation point.
6. The initiation is along and within 6 space domain.
7. Accordingly it gives the glimpse of the reach of mathematical domain which is going to be of the order of 6 space set up.
8. Ultimately 6 space in its entire manifestation is to settle the reach of mathematical domain of Ganita Sutras.

SECOND STEP VALUE:

1. The second step value is 4.
2. Parallel to it is geometric format of 4 space.
3. 4 space is Creator's space.
4. It is of spatial dimensional order.
5. It in its role as dimension structures 6 space in the role of domain .

REACH FROM FIRST STEP TO SECOND STEP

1. The reach from first step to second step, as such is a reach from 6 space as domain to 4 space as dimension.
2. It leads us to Sathapatya Measuring Rod with Lord Vishnu , overlord of 6 space being the presiding deity of this measuring Lord while Lord Brahma , Creator of the Supreme, the over Lord of 4 space as the presiding deity of the measure of this measuring rod.
3. One may have a pause here and take note that this coordination of the roles of 6 space and 4 space, as domain fold and as dimension fold , further brings to focus the inter-relationship of parallel inter-relationship of artifices of pair of numbers (6,4).
4. One may have a pause here and take note that it is the basic comprehension of Vedic systems as that the dimensional frame and artifices of numbers run parallel to each other.
5. It is the basis of parallel availability of **Yoga Nishtha** and Sankhya Nishtha, as much as that **Yoga Nishtha**

presumes the existence of artifices of numbers and avails dimensional frame, and on the other hand, **Sankhya Nishtha** presumes the existence of dimensional frame and avails artifices of numbers.

6. With this reach , the processing format as well gets settled .
7. It is of the values of the reach from domain to dimension .
8. It is a reach from 6 space in the role of domain to 4 space in the role of dimension .
9. It, as such brings to focus the first role of space content as domain fold and second role of space content being that as a domain fold it is to play the role of dimension as well.
10. This further brings to focus as that space content manifests as domain fold.
11. Then manifested space content as domain fold plays further role , of which one is as dimension fold .
12. This as such brings us face to face with that once it is the domain fold which is playing the role of dimension then it will also take us to the role of dimension of dimension .
13. 6 space as domain leads to 4 space domain as dimension, which at next step will take 4 space domain to 2 space domain as dimension of dimension of 6 space.
14. One may further have a pause here and take note that the second letter of the text is the first verga consonant (Ka).
15. Scriptures preserve as that Ka is Brahma, as well as Ka is Shiv.
16. Lord Brahma is the over lord of 4 space.

17. Within the cavity of heart of Lord Brahma is the transcendental seat of Lord Shiv .
18. As such as domain fold the reach is as 4 space domain but as origin fold the reach is of 5 space domain in the role of origin which will permit transcendence .
19. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats .
20. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.

THIRD STEP VALUE:

1. Third step value is 2 .
2. It is the value of elongated first vowel.
3. It accepts organization as $2 = 1+1$.
4. It leads to the set up of a pair of linear axis.
5. The value 2 as one of the value of values triple (6,4,2) takes us to the transcendence format of reach of 6 space domain to 4 space domain as dimension and a step ahead 4 space domain leading to 2 space domain as dimension of dimension .
6. The linear pair of axes, as along first axis shall be taking and shall be providing a step ahead in the linear sequential order, which would mean from third placement to 4th placement.

7. However, the 2nd axis will lead to the spatial order.
8. It would amount to a transcendence at the origin.
9. The transcendence from 2 space will be to zero space.
10. It would be reach of 4th value of the quadruple (6,4,2,0).
11. One may have a pause here and take note that of the pair of axes (1,1) as such shall be making each axis being of half value as $1 = 2/2$.
12. One may have a pause here and take note that 1 space in the role of dimension structuctures 3 space of 7 geometries range.
13. The fourth letter of the text of Ganita Sutra 1 is the fourth letter of the fourth row of verga consonant and same is of value 7 and it is in the role of origin.
14. Further as that 4 x 4 grid accommodates 7 steps long range (1,2,3,4,5,6,7).
15. Still further   as that Bindu Sarover as the first component of **Om** formulation leads to 7 steps long Divya Ganga Flow from Brahman domain.
16. The formulations **Aadh** and **Adh** are of values ½ of ½ , and ½ respectively .
17. The formulations **Aadh and Adh** are the formulations of 3rd and 4th letter of the text of Ganita Sutra 1.
18. The third letter as elongated first vowel together with fourth letter makes **Aadh/ ½ of ½.**
19. The elongated first vowel as a pair of first vowel, as such as first vowel and fourth letter shall be making the formulation Adh/1/2.
20. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats .

21. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.

REACH FROM SECOND TO THIRD LETTER AND AHEAD TO FOURTH LETTER

1. The reach from second to third letter is (4,2) as well as (4,1,1).
2. This reach firstly takes us to the transcendence triple (6,4,2) as a reach from domain to dimension to dimension of dimension .
3. And secondly it also takes us to a reach along the first of the pair of axis of 2 space to the fourth letter of the text of Ganita Sutra 1 of value 7.
4. One may have a pause here and take note that 2 space accepts a pair of axis as its dimensional frame of 0 dimensional order as that 0 space plays the role of dimension of 2 space.
5. Further as that it as such will amount to transcendence ahead which will take to quadruple values (6,4,2,0) .
6. One may further have a pause here and take note that value 7 which is parallel to 7 geometries range of linear order 3 space, the same is of value 0 being of 0 area within 4 space which is of a spatial dimensional order.
7. This reach while on the one hand is as quadruple (6,4,2,0) same as a linear formatting is as quadruple (6,4,2,7).

8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats .
9. It is this phenomenon   which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.

VALUES RANGE (6, 4, 2, 7, 2)/ (6, 4, (1, 1), 7, 2).

1. One shall revisit the above 5 steps long range with inherent organization as of 6 steps long range.
2. One may have a pause here and take note that values pair (6, 5) accept reorganization as (2 x 3, 2+3).
3. Still further as that 5 space plays the role of boundary of 6 space , as well as 5 space also plays the role of origin of 4 space.
4. Further as that 4 space plays the role of dimension of 6 space and also as boundary of 5 space.
5. Still further as that value 4 permits reorganization as $4 = 2+2 = 2 \times 2 = (-2) \times (-2)$.
6. Still further as that $0 = 0+0 = 0 \times 0 = (-0) \times (-0)$.
7. One shall sit comfortably and permit the transcending mind to glimpse above formats and features of values as well as of their geometric format.
8. Still further   as that transcendence quadruple steps within 6 space domain takes us to quadruple value (6,4,2,0).

9. While on the other hand, transcendence quadruple steps within 5 space domain take us to quadruple value (5,3,1,-1).

10. In the light of above, the values range (6,4,2,7,2) and steps ahead as (6,4,2,7,2,4) and (6,4,2,7,2,4,6) will bring to focus that the emerging organization format of linear sequencing in fact is going to be of parabolic format with value 7 as the vertex value.

11. One may have a pause here and take note that this parabolic format for the linear sequencing as such is a shift from straight line set up to the surface and within surface as well as of a parabolic format curve.

12. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats .

13. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.

REVERSAL PROCESS AT THE VERTEX VALUE 7

1. One shall sit comfortably and fully comprehend and to appreciate for full imbibing the values of reversal process at work at the vertex of above sequential format of the values range of first formulation namely *(Ekadhikena)* of the text of Ganita Sutra 1.

2. Here It also would be blissful to take note that the so far symmetrical extension along both limbs of parabolic curve around the vertex as such will permit reversal of orientation which will make , in first case, as the vertex being the lower placement of the curve, while on the other hand, the vertex as such will become the upper most placement top tick of the parabolic format curve.
3. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats .
4. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon

VALUES RANGE (6,4,2=(1,1), 7,2,4,6,8,1)

1. The values range of 9 letters text of word formulation Ekadhikena with its internal structural organization for its third letter as $2 = 1+1$ and thereby the emergence of simultaneous progression along first axis , as well as along second axis, will settle the decreasing sequential value for the first limb of the curve while in case of second limb of the curve there is going to be increasing progression (2,4,6,8,10).

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2. One may have a pause here and take note that this feature as such will bring to focus as the first limb being a single string (sub string) while the second string (sub-string) will be of a pair of flow lines like a pair of symmetrical parabolic limbs as reflection image of each other .

3. One may have a pause here and take note that it will be of the following values reach

i) First limb of the string (6,4,(1+1), 7).

ii) Second limb of the string (0, 2,4,6,8,10)

        (7) (0, 2,4,6,8,10)

4. One may have a pause here and take note that number value 10 accepts summation value for its digits as $1+0 = 1$.

5. Further as that $10-1= 9$.

6. Still further as that the 9 letters range in terms of its internal organization is of 10 letters range .

7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats .

8. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.

FORMULATION EKADHIKENA

1. One shall sit comfortably and permit the transcending mind to glimpse the mathematical domain value and format of formulation Ekadhikena as values range (6,4, 1,1,7,2,4,6,8,1) as of the format of first limb of hyper bolic curve format and the second limb of this hyper bolic format marking its presence alongwith its reflection image as well

2. One shall further sit comfortably and to comprehend, appreciate and imbibe the transcendence phenomenon within 6 space domain within creative dimensional frame of 6 dimensions with each creative dimension accepting transcendence at its transcendental origin (5 space as origin of 4 space in the role of dimension of 6 space) .

SECOND FORMULATION PURVENA TEXT:

1. The text of word formulation Purvena avails 7 letters of following sequential   placements and transcendental code values , as is tabulated hereunder:

2nd Word

S.No.	1	2	3	3	5	6	7		
Letter	प्	उ	र्	व्	ए	ण्	अ		

TCV		5	6	2	7	6	7	1		

2. The above 7 steps long values string, in terms of the composition feature of placement for the third letter at its fifth placement, and further the structural organization of second letter being elongated third vowel as third vowel + third vowel value makes this values strings of 8 steps with one step being of double placement.

3. Let us revisit the above values string steps again and it will come to pointed focused attention as that :

   i) Value 2 (of third letter) is of double placement, firstly as third letter and secondly in the composite form as of fifth placement . This will bring a (2,2) as a distinct pair of values as per the placement feature .

   ii) The letters second and fifth elongated third vowel and sixth vowel) are accepting value 6 each, as such it makes a pair of values (6,6) further as that this pair of values for its first member as the reorganization arrangement 6 = (3+3) and accordingly this pair of values get coordinated as [(3,3), 6].

   iii) Further as that the fourth letter namely the fourth Antsatha letter and 6th letter namely the fifth letter of third row of verga consonant accept value 7 each .This as such makes a third pair of values availability (7,7) .

   iv) The fourth pair is the pair of values (5,1) of first and the last letter of the formulation Purvena.

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4. The above four pairs of values namely (5,1), (2,2), (3+3= 6) and (7,7) deserve to be revisited individually pairwise and collectively as the whole range as integrated arrangement.

5. One may have a pause here and take note that the formulation Purvena accept its first letter as of value 5 .

6. Parallel to it is 5 space.

7. 5 space is a solid order space.

8. The dimensional synthesis of pair of solid dimension (3,3) = 5 as its synthetic value takes us from the organizational set up of the format of first letter to the second letter of the text of formulation Purvena.

9. One may have a pause here and take note that a three dimensional frame permits its split into a pair of three dimensional frame of half dimensions with a release of 4 space as its origin.

10. One may have a pause here and take note that cube (3 space body) accepts 4 internal diagonals.

11. At the pair of end point of each of these internal diagonals of the cube as corner points of the cube, are imbedded a pair of three dimensional frames of half dimensions.

12. One may further have a pause here and take note that the translation of this pair of three dimensional frame of half dimensions imbedded at the corner of the cube at end point of the diagonal with their reach at the centre

will result into reversal of orientation for their axis and thereby there would be a synthesis of this pair of three dimensional frame of half dimensions in to a three dimensional frame of full dimension .

13. Like that there would emerge four 3 dimensional frames of full dimensions by availing 4 diagonal as the translation path for the 8 three dimensional frames of half dimensions imbedded in the corners of the cube and otherwise getting coordinated as four pairs at the end point of four diagonals of the cube.

14. One may have a pause here and take note that the fifth 3 dimensional frame of full dimension is already available at the centre of the cube itself.

15. With it, these 5 three dimensional frames of full dimensions as such shall be constituting a solid dimensional frame of 5 dimensions of 5 space which is located as origin of 4 space with its seat at centre of cube itself.

16. One shall sit comfortably and permit the transcending mind to glimpse , comprehend, appreciate and to imbibe the values and feature of this phenomenon of Churney at the centre of the cube as seat of 4 space and thereby there being a reach at 5 space at origin of the 4 space with 4 space itself being the origin of 3 space.

17. One shall sit comfortably and to revisit this phenomenon of reach from 3 space to 4 space as its origin and further from 4 space to 5 space as origin of 4 space.

18. It would be blissful exercise to revisit the structural set up of a cube.

19. It is a set up of 8 corner points, 12 edges and 8 surfaces enveloping the volume and space of the volume.

20. One may have a pause here and take note that the enveloping structural set up of 8 corner points, 12 edges and 6 surfaces makes a set up of 8+12+6 =26 components.

21. Further as the volume and the space enveloped by this structural set up of 26 components , in fact is parallel to the transcendental code value of the pair of formulations Aayetan (Volume) and Akash (Space), as much as that the formulation Aayetan accept transcendental code value 18 while the formulation Akash accepts transcendental code value 8 and summation thereof is 18+8=26 which is parallel to the summation value of enveloping structural set up of 8 corner points, 12 edges and 6 surfaces.

22. Further as that the number value 18 accept reorganization as 18=3+4+5+6 which is parallel to the four fold manifestation layer (3,4,5,6) of hyper cube 5.

23. Still further as that the value 8 accept reorganization as 8 = 3+5.

24. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats

25. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.

26. It would be a blissful exercise to revisit and to chase quadruple values pair (5,1), (2,2), (3+3,6) and (7,7) supplied by the text of formulation Purvena.

FIRST VALUES PAIR (5,1)

1. One may have a pause here and take note that the first component of Om formulation is Bindu Sarovar and it accept number value "1".
2. Further as that Bindu Sarovar (structured point/values reservoir) accepts panch vritiya (5 folds) for flow of 7 streams (Divya Ganga flow of Brahamman domain).
3. This as such will help us comprehend, appreciate and imbibe the pairing of values (5,1) as of first and last letter of the formulation Purvena.
4. One may have a pause here and take note that the feature of Vedic system is that these accept beginning and end values at the same meant.

SECOND PAIR VALUES (2,2)

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1. The second values pair is the single value of third letter getting repeated presence mark because of its fifth placement in the composite format of the formulation Purvena.

2. It would be blissful to take note that third and fifth placement as values pair (3,5) as well are coordinated with the additional feature (5-3= 2).

3. Still further as that 2 space accept 5 geometries range and parallel to it there are 5 versions of hyper cube 2 /square.

4. Moreover, the second component of Om formulation is " Ardhmatra"/Half measure.

5. One may have a pause here and take note that 2 is half of 4 .

6. 4 space accepts 2 space in the role of dimension .

7. Synthesis value of pair of spatial dimensions 2,2 = 4.

8. Further as that within 3 space , the surface plate accepts a pair of faces.

9. It as such brings to focus as that solid at value 0 is sandwiched between the pair of faces of a surfaces.

10. One may further have a pause here and take note that 5 space is of a solid dimensional order and it is at 0 value at the seat of origin of 4 space.

11. Parallel to it the cube is of 0 value at the seat of origin of 2 space and

12. Still further as that a 3 dimensional frame accept split as a pair of a 3 dimensional frame of half dimensions and during this split there is a release of 4 space origin.

13. The reach from the format of hyper cube 2 to the format of hyper cube 3 and further from the format of

hyper cube 3 to the format of hyper cube 4 and still further a reach from the format of hyper cube 4 to that of the format of hyper cube 5 is a very blissful exercise whose chase will bring us face to face with the transcendence phenomenon at the seat of origin which in fact is a seat of compactified origin and that 4,5,6, & 7 spaces, in fact are compactified at the origin of 3 space itself.

14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats .

15. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.

THIRD PAIR VALUES (3+3,6).

1. The split of 6 as 3+3 and split of a three dimensional frame into a pair of 3 dimensional frame of half dimensions and the set of 6 surfaces enveloping volume are the feature which deserve to be glimpsed and chased simultaneously to acquire proper insight about this feature of 3 dimensional frame , in particular.

2. Further as that the pair of solid dimension synthesized value 5 parallel to the transcendental domain (5 space domain).

FOURTH VALUES PAIR (7,7)

1. Let us revisit the structural set up of a cube .
2. All the 8 corner points of cube permit coordination in a linear, sequential   progression arrangement manner in terms of only 7 edges.
3. The pair of orientations for this reach is the feature which deserve to be comprehended   well for its thorough appreciation and full imbibing .
4. Let us revisit this organization of 7 edges coordination of all the 8 corner points of a cube and it will come to notice that the 7 edges get coordinated as $7 = 3+1+3$ with the first 3 edgesand the last 3 edges being of arrangement of opposite orientation while the coordinating middle edge being a set up of a pair of orientations simultaneously available.
5. With it, the reach from first set up of 3 edges in a particular orientation, with reach uptil the last 3 edges would be of opposite orientation .
6. And likewise the beginning from the last set of 3 edges of their orientation with a reach uptil the first set of 3 edges will be of opposite orientation .
7. This both way reach and in both of the ways there being reversal of orientation , so it is the set up which deserve to be comprehended well.
8. It would be blissful to take note that 8 points coverage is parallel to 7 units coverage.
9. And it is happening not only along the line , or along a curve in a surface but also here in 3 space as well.

10. Further as that this organization of coordination in terms of 7 edges make remaining 5 edges as of different role to play.
11. It is this organization for 12 edges as pair of (7,5) edges format deserve to be comprehended well.
12. The grid 7 x 5 accommodates all the 35 double digit numbers of 6 place value system.
13. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of Trans and to glimpse and imbibe the above features formats .
14. It is this phenomenon which deserve to be comprehended well and to be thoroughly appreciated for complete imbibing of the features of this phenomenon to acquire deep insight about the values and appropriate enlightenment about the virtues of this phenomenon.
15. It would be a blissful exercise to glimpse the structural set up of cube as hyper cube 3 in the role of solid dimension and emerging structures of transcendental domain (5 space) of internal and external folds of value 26 accepting organization as $26 = 5+6+7+8$.

FORMULATION PURVENA

1. The values and formats of the individual letters of the text of word formulation **Purvena** brings us face to face with the transcendence phenomenon within solid dimensional order of 5 space .

2. It further brings us face to face with the churney taking place at the centre of the cube as origin seat of compactified origin of 4,5,6 & 7 spaces.

3. One may have a pause here and take note that quadruple spaces (4 space, 5 space, 6 space & 7 space) and parallel to it quadruple values (4,5,6,7) and further parallel to it a four fold manifestation layer (4,5,6,7) of hyper cube 6 is the phenomenon which deserve to be comprehended well.

4. The summation value 4+5+6+7 =22 is the format for 22 Visargas (creations formulations).

LESSON-44

1) SATHAPATYA MEASURING ROD
(23-A) FORMAT FEATURES

1. Sathapatya Measuring Rod is a synthetic set up of hyper cubes 1 to 6.
2. Hyper cube format is a set up of four folds of 4 consecutive dimensional spaces space content manifesting as domain folds and playing respective roles as of dimension fold, boundary fold, domain fold and origin fold.
3. This set up of four folds is designated as a four fold manifestation layer.
4. In general, hyper cube N is a four fold manifestation layer of N space as dimension fold, N+1 space as boundary fold, N+2 space as domain fold and N+3 space as origin fold.
5. Parallel to above four folds are the quadruple numbers values (N, N+1, N+2, N+3)
6. Hyper cubes 1 to 6 are the set ups of four fold manifestation layers as follows:
   i) (-1, 0, 1, 2) as hyper cube 1 with summation value for four folds (-1+0+1+2= 2)
   ii) (0, 1, 2, 3) as hyper cube 2 with summation value for four folds (0+1+2+3= 6)
   iii) (1, 2, 3, 4) as hyper cube 3 with summation value for four folds (1+2+3+4= 10)
   iv) (2, 3, 4, 5) as hyper cube 4 with summation value for four folds (2+3+4+5= 14)

v) (3, 4, 5, 6) as hyper cube 5 with summation value for four folds (3+4+5+6= 18)

vi) (4, 5, 6, 7) as hyper cube 6 with summation value for four folds (4+5+6+7= 22)

7. Domain boundary ratio formulation of hyper cube N is $A^n : 2nb^{n-1}$ which for N = 1, 2, 3, 4, 5, 6 leads to boundary component range as (2, 4, 6, 8, 10, 12) .

8. This range of boundary component will require (2+1, 4 x 2, 6 x 3, 8 x 4, 10 x 5, 12 x 6) number of coordinates in terms of the dimensional frames of 1, 2, 3, 4, 5, 6 spaces.

9. The coordinates range (2, 8, 18, 32, 50, 72) permits reorganization as (2, 2+6, 2+6+10, 2+6+10+14, 2+6+10+14+18, 2+6+10+14+18+22).

10. One may have a pause here and take note that :
2 = summation value of four folds of hyper cube 1.

8 = summation value of four folds of hyper cube 1+summation value of four folds of hyper cube 2.

18=   8 = summation value of four folds of hyper cube 1+summation value of four folds of hyper cube 2+ summation value of four folds of hyper cube 3.

32= . 8 = summation value of four folds of hyper cube 1+summation value of four folds of hyper cube 2+ summation value of four folds of hyper cube 3+ . summation value of four folds of hyper cube 4,

50 = 8 = summation value of four folds of hyper cube 1+summation value of four folds of hyper cube 2+ summation value of four folds of hyper cube 3+ . summation value of four folds of hyper cube 4+ summation value of four folds of hyper cube 5.

72 = 8 = summation value of four folds of hyper cube 1+summation value of four folds of hyper cube 2+ summation value of four folds of hyper cube 3+ . summation value of four folds of hyper cube 4+ summation value of four folds of hyper cube 5+ summation value of four folds of hyper cube 6.

11. One may have a pause here and take note that the above features bring to focus that :

i) Boundary fixation of hyper cube 1, goes parallel to value 2 which makes hyper cube 1 set up as its measuring rod.

ii) Boundary fixation of hyper cube 2, goes parallel to value 8= 2+6 which makes hyper cube 1 and hyper cube 2 set ups as a measuring rod of hyper cube 2 domain within boundary

iii) Boundary fixation of hyper cube 3, goes parallel to value 18= 2+6+10, which makes hyper cubes 1, 2 & 3 set ups as a measuring rod of hyper cube 3 domain within boundary.

iv) Boundary fixation of hyper cube 4, goes parallel to value 32= 2+6+10+14, which makes hyper cubes 1, 2, 3 & 4

set ups as a measuring rod of hyper cube 4 domain within boundary.

v) Boundary fixation of hyper cube 5, goes parallel to value 50= 2+6+10+14+18, which makes hyper cubes 1, 2, 3 ,4 & 5   set ups as a measuring rod of hyper cube 5 domain within boundary.

vi) Boundary fixation of hyper cube 6, goes parallel to value 72= 2+6+10+14+18+22, which makes hyper cubes 1, 2, 3 ,4 ,5 & 6   set ups as a measuring rod of hyper cube 6 domain within boundary.

12. One may have a pause here and permit the transcending mind to glimpse and imbibe hyper cube 1 as its own measuring rod, hyper cubes 1 & 2 together synthesizing a measuring rod of 2 space domain of hyper cube 2, hyper cubes 1, 2 & 3 together synthesizing a measuring rod of 3 space domain of hyper cube 3, hyper cubes 1, 2, 3 & 4 together synthesizing a measuring rod of 4 space domain of hyper cube 4, hyper cubes 1, 2, 3 ,4 & 5 together synthesizing a measuring rod of 5 space domain of hyper cube 5 and hyper cubes 1, 2, 3, 4, 5 & 6 together synthesizing a measuring rod of 6 space domain of hyper cube 6.

13. One may further have a pause here and permit the transcending mind to continuously remain in prolonged sitting of TRANS and to glimpse and imbibe the sequential format feature of hyper cubes sequentially synthesizing measuring rod for 2, 3, 4, 5, 6 spaces domain.

14. It would be a blissful exercise to chase format feature of synthetic set up of the measuring rod of 7 space domain of hyper cube 7.