

Sri – Om
VEDIC MATHEMATICS AWARENESS YEAR

E-Newsletter Issue no 84 dated 12-01-2015

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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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VMS & T Text books
(Classes 9, 10, 11 & 12)

Outline of
Text Book Class X
(4-space)

1. Text book is to be of two sections parallel to two semester. First section to have seven lessons whose outline has been drawn in previous issues of E-newspaper.
2. Second section of the text book as well is to have seven lessons, the outline of first three lessons of second semester are being outlined here in the present issue of E-newspaper. The remaining four lessons outline to be drawn in next issue of E-newspaper.

Outline of
Text Book Class X (4-space)

Lesson -09
Hyper solids

1. Individual space content lump manifests as domain fold of hyper cube.
2. 3-space content lump manifests as domain fold of hyper cube 3.
3. 4-space content lump manifests as domain fold of hyper cube 4.
4. N-space content lump manifests as domain fold of hyper cube n.

5. Hyper cubes are four fold manifestation layers (n-2, n-1, n, n+1); a manifestation layer of order (n-2).
6. Hyper cube 3 is a four fold manifestation layer (1, 2, 3, 4); a linear order manifestation layer.
7. Synthesis of a pair of linear order manifestation layers is of value of solid order manifestation layer:
[(1, 2, 3, 4), (1, 2, 3, 4)] leads to [(3, 4, 5, 6)]
8. The pair of solid order manifestation layers lead to transcendence order manifestation layer format:
[(3, 4, 5, 6), (3, 4, 5, 6)] leads to [5, 6, 7, 8]

This reach for linear order manifestation layer to solid order value format to manifestation layers is of summation value $18 = 3 + 4 + 5 + 6$.

9. Further this manifestation layer format leads to synthesis value of transcendental (5-space) order format of summation value $(26) = 5 + 6 + 7 + 8$.
10. This reach of pair of artifices values (18, 26) fixes the in between value 22 of manifestation layer (4, 5, 6, 7) which is of a creative dimensional order manifesting format of hyper cube 6.
11. It is this feature which deserve to be comprehended well and to be appreciated fully for the complete imbibing of these values to have through insight about the solid order manifestation layer synthesizing transcendental (5-space) order manifestation layer and thereby thoroughly fixing the creative manifestation layer
12. This fixation feature of value to fully fix the middle layer makes hyper solid format.
13. This feature provides a reach from the given manifestation layer (3, 4, 5, 6) to the next manifestation layer (4, 5, 6, 7).
14. In other words this feature is of value which extends four fold manifestation layer (3, 4, 5, 6) into five fold transcendence range (3, 4, 5, 6, 7) as a synthetic set up of pair of consecutive manifestation layers (3, 4, 5, 6) and (4, 5, 6, 7).
15. With it hyper solid format may formally be defined as a hyper cube format which permits transition within its domain from a given manifestation layer format to the format of the next manifestation layer.
16. Therefore to fix the transcendental (5-space) manifestation layers (5, 6, 7, 8) need would be to have a synthetic set up of a pair of creative order manifestation layers, namely:
[(4, 5, 6, 7), (4, 5, 6, 7)] leading to [(6, 7, 8, 9)]
17. Here it would be relevant to note that the summation value $(6+7 +8 +9) = 30$ is parallel to the set up of 8 corner points, 12 edges 6 surfaces, 1 volume and 3 dimensions.
18. Of this set up of 30 components, 3-space content lump is only one component.
19. Remaining 29 components, as such become the basic set up for manifestation of 3-space content as domain fold of hyper cube 3.

20. With it artifice value 9 become the transcendental (5-space) order value getting fixed at transcendental (5-space) order manifestation format layer (5, 6, 7, 8) with summation value $5 + 6 + 7 + 8 = 26$ which as value of dimension fold leading to the manifestation layer (26, 27, 28, 29).
21. One shall have a pause here and have a fresh look at the above features particularly as that artifice value 9 in the context being the value of the origin fold of manifestation layer (26, 27, 28, 29) with artifice value 26 as the summation value of unity state layer / hyper cube 7 being of transcendental (5-space) order.
22. It may be relevant to note that Vedic Systems have fully imbibed the value of artifice 29.
23. Samved samhita is of the range of 29 archiks अर्चिक
24. TCV (अर्चिक) = $2 + 2 + 2 + 2 + 2 = 10 = 0 + 1 + 2 + 3 + 4 = 1 + 2 + 3 + 4 = 2 \times 5$.
25. These features of TCV value of formulation (अर्चिक), in itself brings to focus as to how the format of hyper cube 5 with domain boundary ratio $A^5:10B^4$ and as that transcendental (5-space) domain is enveloped within creative boundary, which is of the format and features of 5-space content providing base for formatting creative space (4-space) content.
26. Here it would be relevant to note that the manifestation layer (4, 5, 6) plays it role with pole star / 7-space as origin fountaining transcendental (5-space) order as a base for the creative order (4-space) of the space content of (6-space) / Sun.
27. It would be blissful to recapitulate that hyper cube if of a four folds format. This makes it a four folds manifestation layer. Synthesis of a pair of manifestation layers of hyper cube lead to hyper solid format value, which itself is a four fold manifestation layer. As such, the synthesis value of manifestation layers further synthesizes itself into transcendence feature within hyper solid domain of unfolding format for its origin fold.
28. This unfolding format is of 'hyper sphere set up permitting origin sphere unfolding inner origin sphere and thereby making a sequential chase for compactification cord of whole range of origins (spheres).
29. The compactification cord of origins spheres, as such becomes the transcendence flow path of ad-infinitum range parallel to the ad-infinitum range of inner spheres.

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Outline of
Text Book Class X (4-space)

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Lesson -10

Transcendental (5-space) base

1. Transcendental (5-space) base of manifested four fold creations, as such does not mark its presence in the manifested forms but never the less remains ever present as base format.
2. One way to mark its presence is as 'space' within which 'the things' / bodies exist.
3. Transcendental (5-space) base, as 5-space content lump is of solid dimensional order and 5-space content lump manifests as domain fold of hyper cube 5 as a four fold manifestation layer (3, 4, 5, 6)
4. The creative (4-space boundary) of transcendental (5-space) domain, as such brings to focus that the transcendental (5-space) base marks its presence within the creative origin itself.
5. It is this feature of the transcendental (5-space) base of creative (4-space) origin which deserve to be comprehended fully as with its appreciation it would be imbibed as that there is a compactification of origin manifesting as a compactification cord sequentially progressing inward as that every inward step there emerges a 'base' for the previous steps.
6. The transcendental (5-space) base in a way is a compactification note along origins compactification cord.
7. These origins, compactification, knots along compactification cord make transcendence at the origin fold being of phased sequential steps, unfolding only 1 at a time.
8. This feature marks its presence in the role of origins of dimensional frames.
9. The origin of three dimensional frame is a seat of spatial order 4-space.
10. The origin of a four dimensional frame is a seat of solid order 5-space.
11. Likewise the origin of n dimensional frame is a seat of (n+1) space of (n-2) order.
12. It is because of the transcendental (5-space) base manifesting as compactification called knot, distinctively attains transition for four fold manifestation layer into five fold transcendence range.
13. As such for the format, features, values and virtues of transcendental (5-space) base, we have to chase spatial order format (of 2-space) / square /

$n \times n$ grid / matrix format for value $n = 3$ which provides us sequential organization as:

1	2	3	4	5
2	3	4	5	6
3	4	5	6	7
4	5	6	7	8
5	6	7	8	9

14. The summation value of above 25 values comes to be 125 and thereby there has been a sequential reach from value '5' to 5×5 to $5 \times 5 \times 5$.
15. One may have a pause here and take note that value '5' accept organization as $5 = 2 \times 2 + 1$ which is parallel to five geometries range of 2-space / five versions of hyper cube 2 / square.
16. Further here it also would be relevant to note that 1^3 as 1 cube leads to a set up of 27 components (of 8 corner points, 12 edges, 6 surface, 1 volume).
17. A step ahead $2^3 = 8$ cubes leads to $8 \times 27 = 6^3$ value. However the synthesis of 8 cubes as a cube leads to 125 components i.e. 5^3 components.
18. One may have a pause here and take note that NVF (transcendence) = 125, that way brings us face to face as to how the transcendence at the 4-space origin of spatial order takes to transcendental (5-space) base of solid order.
19. One shall revisit the transcendental (5-space) base of creative (4-space) origin and chase the transcendence at origin and to reach at the transcendental (5-space) base and glimpse the structural transition and transformation in the process with the help of fixation of 4-space point in terms of 8 cubes and taking a step forward along the compactification called of 4-space as origin fold of manifested creation.
20. One may have a pause here and take note that the above chase deserve to be taken along all the manifestation creation formats of four folds within creator's space (4-space) along the format of Idol of Lord Brahma.
21. Linear domain manifestation layer (-1, 0, 1, 2) has (3) as transcendental base. It would be a blissful exercise to have chase of transcendence at (2-space as origin) uptill 3-space as its transcendental base.
22. Spatial domain manifestation layer (0, 1, 2, 3) has (4) as transcendental base. It would be a blissful exercise to have chase of transcendence at (3-space as origin) uptill 4-space as its transcendental base.
23. Solid domain manifestation layer (1, 2, 3, 4) has (5) as transcendental base. It would be a blissful exercise to have chase of transcendence at (4-space as origin) uptill 5-space as its transcendental base.

24. Creative domain manifestation layer (2, 3, 4, 5) has (6) as transcendental base. It would be a blissful exercise to have chase of transcendence at (5-space as origin) uptill 6-space as its transcendental base.
25. Transcendental domain manifestation layer (3, 4, 5, 6) has (7) as transcendental base. It would be a blissful exercise to have chase of transcendence at (6-space as origin) uptill 7-space as its transcendental base.
26. Self referral domain manifestation layer (4, 5, 6, 7) has (8) as transcendental base. It would be a blissful exercise to have chase of transcendence at (7-space as origin) uptill 8-space as its transcendental base.
27. Unity domain manifestation layer (5, 6, 7, 8) has (9) as transcendental base. It would be a blissful exercise to have chase of transcendence at (8-space as origin) uptill 9-space as its transcendental base.
28. Eight fold nature domain manifestation layer (6, 7, 8, 9) has (10) as transcendental base. It would be a blissful exercise to have chase of transcendence at (9-space as origin) uptill 10-space as its transcendental base.
29. Nine fold Brahman domain manifestation layer (7, 8, 9, 10) has (11) as transcendental base. It would be a blissful exercise to have chase of transcendence at (10-space as origin) uptill 11-space as its transcendental base.

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*Outline of
Text Book Class X (4-space)*

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*Lesson -11
Self referral (6-space) format*

1. The permissibility of split of a three dimensional frame into a pair of three dimensional frames of half dimensions makes the organization of three dimensional frame as a set up of a self referral (6-space) features as its first part being replica of the other part.
2. This feature of the set up of a three dimensional frame is there because of its spatial order origin.
3. It is because of the spatial order of the origin that parallel to the organization features $4 = 2 + 2 = 2 \times 2 = (-2) \times (-2)$ the organization of synthetic set up of three dimensional frame as a pair of three dimensional frames makes the pair of three dimensional frames as a pair of replica of each other

4. The synthetic set up of a three dimensional frame, as such emerges to be parallel to the organization of feature of triple artifices (3, 4, 3).
5. This further goes parallel to the organization of the split of a sphere into a pair of hemi-spheres; northern hemisphere, center, southern hemisphere.
6. This split being because of a spatial order of the origin, the same that way is the organization of creative (4-space) Mathematics of 2 as 1 and 1 as 2 units.
7. Vedic Systems accept artifice value 17 for northern hemisphere parallel to 17 samas flow through Sun along 7 streams from core of the Sun having its placement at the middle / center of the pair of hemispheres.
8. Sun as 6-space of creative (4-space) dimensional order is of format of hyper cube 6 with $6 \times 4 = 24$ coordinates for each of the point of 6-space (self referral (6-space) domain).
9. These 24 coordinates values manifests 7 streams for flow of 17 samas.
10. With it 17 as a value of the center of northern hemisphere and 24 as value of Sun, the range in between is of values range (18, 19, 20, 21, 22, 23), this six steps long self referral (6-space) range is of summation value $18 + 19 + 20 + 21 + 22 + 23 = 123$ which is parallel to NVF (Circumference).
11. One may have a pause here and take note that cube and sphere a pair of representative regular bodies of 3-space with common domain boundary ratio $A^3:6B^2$.
12. Further it would be relevant to note that in case of a sphere this ratio as of volume and surface area is of ratio $1/6 A^3:B^2$
13. The glaring feature is that in case of a cube its boundary splits into six parts, while in case of a sphere the same domains integrated whole and its domain permits split into six parts.

12-01-2015

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