

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

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UNIFIED FORMAT

This day the course focus is upon 'Unified format'. It four folds aspects being taken up are as follows:

61. Domain split spectrum
62. Unified format
63. Transcendence format
64. TCV dictionary

The values being covered are to be taught as lessons numbers 61 to 64 to the students of 3-space Vedic Mathematics, Science & Technology.

LESSON-61

DOMAIN SPLIT SPECTRUM

1. The domain split spectrum is another basic phenomenon whose values are chased by the discipline of Vedic Mathematics science and technology.
2. Domain n splits into a pair of domain of order $(N-2)$.
3. Further during this split there would also is release a domain $N-4$ order.
4. This process sequentially holds.
5. It would be blissful to take note that the originally domain N is of entity (1).

6. At first split their emerge, two entities of domain order (N-2).
7. At second split steps there emerge five entities of domain order (N-4).
8. At third split step there emerges five entities of domain order (N-6).
9. At fourth split steps there emerge twelve entities of domain order (N-8).
10. At fifth split step there emerge twenty nine entities of domain order (N-10).
11. And the process continuous.
12. Student shall be very gently expose this phenomenon for (N = 3, N = 4, N = 5, and N = 6).



LESSON-62

UNIFIED FORMAT

1. Vedic Mathematics success lies in its unified format.
2. Whole range of mathematics values accept unified format.
3. It is this virtue of the values of Vedic Mathematics which makes it the basis base of organization of Vedic knowledge.
4. It is this virtue whose values feature is that Yoga Nishta and Sankhaya Nishta complement and supplement each other and process parallely at each steps.
5. Sankhaya Nishta presume the existence of geometric format and avails artifices of number of values.
6. On the other hand, Yoga Nishta presumes the existence of artifices of values of numbers and avails dimensional frames.

7. It is parallel processing steps of artifices of numbers and dimensional frames which manifests the unified format of Vedic Mathematics.
8. With it, the different branches of mathematics like arithmetic, algebra, geometry, calculus, measure theory, topology, manifestation of space content as dimensional bodies, transcendence through the manifested bodies, and all that values domain of mathematics get unified as a single integrated discipline.
9. Vedic Mathematics teacher is vested with solemn duty to inculcate the virtues, values, features of unified format of basis base values of Vedic knowledge in the minds of the students.
10. Hyper cube 1 format of interval, the representative regular body of 1-space in the role of linear order of 3-space, as such becomes the basic format form chase of values of 3-space mathematics and basis base of 3-space Vedic Mathematics, Science & Technology.
11. This being so, valuable time need be devoted for proper understanding of hyper cube 1 set up of interval, the representative regular body of 1-space during its role as linear dimensional order of 3-space.
12. Hyper cube 1 is a four folds manifestation layer (-1, 0, 1, 2) / (-1 space as dimension fold, 0-space as boundary fold, 1-space as domain fold, 2-space as origin fold).
13. On the other hand, cube, the representative regular of 3-space, itself, as well, is a four folds manifestation layer (1, 2, 3, 4) / (1-space as dimension fold, 2-space as boundary fold, 3-space as domain, 4-space as origin).
14. These manifestation layers formats of representative regular bodies of 1-space and 3-space, will bring to focus that the pair of spaces namely 1-space and 2-space, are in their dual roles.

15. 1-space is the domain fold of hyper cube 1, and at the same time 1-space is the dimensional fold of 3-space.
16. Further, likewise, 2-space is the origin fold of hyper cube 1 and at the same time, 2-space is also the boundary fold of hyper cube 3.
17. The above dual roles of 1-space and 2-space, bring to focus that in the case of 1-space, its dual roles are, as dimension fold and domain fold, while in case of 2-space, its dual roles are as boundary fold and origin fold.
18. It would be blissful to take note that the above pair of dual roles of 1-space and 2-space, together, cover all the four folds, namely dimensional fold, boundary fold, domain fold and origin fold.
19. It is this feature and values which deserves to be focused and deserved to be comprehended well for its full appreciation to acquire proper insight and to attain appropriate enlightenment about this organization phenomenon.
20. Vedic Mathematics teachers is under solemn duty to work out the steps of this organization very gently so that the virtues of these values are blissfully imbibed by the innocence fulfilled young minds of the students.
21. 3 versions of interval, parallel to 3 geometries of 1-space, as such leads us to three different phases of organization.
22. These 3 versions of organization, sequentially bring us face to face with the way different disciplines of mathematics values get unified.
23. It is this aspects of Vedic Mathematics teaching which makes the central core of art of mathematics teaching.
24. It is this art which is to be attained by Vedic Mathematics teachers.
25. Whole success of teaching of Vedic Mathematics, that way gets indexed with the unified format, which in case

of 3-space mathematics, as basis base of 3-space Vedic Mathematics, Science & Technology manifests as the format of an interval, the representative regular body of 1-space, being the four folds manifestation layer, making interval to be of 3 versions parallel to 3 geometries of 1-space, which is to be play the role of linear dimension of 3-space.

26. Student shall sit comfortably and to comprehend and imbibe the above values and virtues of unified format, in the form of interval, as the unified format of 3-space mathematics, and 3-space Vedic Mathematics, Science & Technology.
27. One shall update one's dictionary by making entries of above values and virtues of unified format of 3-space mathematics. ■

LESSON-63

TRANSCENDENCE FORMAT

1. Transcendence format is a five folds format.
2. It is an extension of four folds manifestation format.
3. The four folds manifestation format with its extension, with addition of fifth fold namely base fold, the same transition and transform from four folds manifestation format into five folds transcendence format.
4. Interval, the representative regular bodies of 1-space, as four folds manifestation layer $(-1, 0, 1, 2)$ on its extension, transition and transforms into, the transcendence range $(-1, 0, 1, 2, 3)$.
5. It is of the reach of 3-space as the base fold.
6. It is this feature, which deserves to be comprehended well for its full appreciation and complete imbibing.

7. The linear order set up of 3-space, as a four folds manifestation layer (1, 2, 3, 4) on its extension, transition and transforms into transcendence range (1, 2, 3, 4, 5).
8. It is a reach at 5-space as base fold of 4-space origin of 3-space with 2-space in the role of boundary, 1-space in the role of dimension.
9. The pair of linear order transcendence ranges (1, 2, 3, 4, 5) and (1, 2, 3, 4, 5) gets synthesized with the dimensional glue of value (1) supplied by the linear order, leads to synthesis value $(15+1+15) = 31$.
10. It would be blissful to take note that value 31 is parallel to the 31 structural component of the set up of the cube, viz. (8 corner points, 12 edges, 6 surfaces, 1 volume, 3 axes and 1 origin).
11. One shall sit comfortably and to permit the transcending mind to glimpse and imbibe the above values and features of synthesis phenomenon of a pair of linear order transcendence ranges.
12. With it, one shall be acquiring proper insight about the set up attainment for the linear order.
13. Further, one shall also be attaining appropriate enlightenment about this manifestation and transcendence phenomenon along the unified format, in the form of an interval, the representative regular body of 1-space, as a four folds manifestation layer (-1, 0, 1, 2), transition and transforming into transcendence range (-1, 0, 1, 2, 3) with 3-space as the base fold.
14. It would be blissful to take note that the north east diagonal of following 5x5 grid coordinate all the five different roles of 3-space as (base fold, origin fold, domain fold, boundary fold, dimension fold, making

total value '15' for the set up of north east diagonal of following grid:

-1	0	1	2	3
0	1	2	3	4
1	2	3	4	5
2	3	4	5	6
3	4	5	6	7



LESSON-64

TCV DICTIONARY

1. Final learning and teaching step of this year course focus upon values of 3-space mathematics as basis base of 3-space Vedic Mathematics, Science & Technology is going to be the compilation of TCV dictionary.
2. Values range 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31 as TCV values range 1 to 31 will bring us face to face with the whole range of words formulation accepting transcendental code value 1 to 31.
3. This range of values 1 to 31 will get extended as the range of points 0 to 31 making 31 gaps.
4. The value $32 = 2^5$ is parallel to 32 ways in which value 6 can be reach at with choices from the values range (1, 2, 3, 4, 5, 6), like ($6 = 6$, $6 = 1+5$, $6 = 5+1$, $6 = 4+1+1$, $6 = 1+4+1$, $6 = 1+1+4$, and so on).
5. Value 32 can be reach at 2^{31} by choices from the range of values 1 to 32.

6. It would be blissful to take note the formulation 'Santosh' accepts transcendental code value 31.
7. The formulation 'Aatma Bal' as well accepts transcendental code value 31.
8. This pair of formulations preserves the fruit value of unified format of linear order values mathematics as basis base of 3-space Vedic Mathematics, Science & Technology.

