Vedic Mathematics, Science & Technology
FOUNDATION COURSE

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Part – 2   Foundation processes

Section – 3 Processes formats

Chase steps phase – 5
Processes format
(Weeks 13-15)

Introductory

1. Now we enter part – 2 of the course. Part – 1 of the course had a focus upon systems foundation. Part – 2 focuses upon foundation processes.
2. Foundation processes are in respect of systems foundation.
3. Chase of processes foundation extends over sections 3 and 4 of the course.
4. Section – 3 focuses upon processes formats while section – 4 focuses upon pure and applied values reach.
5. Section – 3 is of two phases namely (i) Chase steps phase – 5 and (ii) chase steps phase – 6.
6. Chase step phase – 5 is to run over three weeks namely present week – 13 with focus upon 'Artifices chase along geometries format'
7. Week 14 and 15 shall be respectively taking up the aspects of 'Space contents Manifestations' and 'Transcendence through manifestations'.
8. Present week 13 Artifices chase along geometries format is to be of three steps namely 'Artifices of numbers, Dimensional frames, Parallel formats'.

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Week – 13   Artifices chase along geometries format

Introduction

1. During present week the aspect being taken up is 'Artifices chase along geometries format'.
2. The geometric formats going to be availed are of Sathapatya measuring rod which integrated and synthesis the formats of hyper cubes as four folds as manifestation layers permitting transcendence at the origin fold.
3. The symbolic expression for hyper cubes 1 to 6, in that sequence and order as of symbolic expression

0	1	2	3	4	5	6
●	─	□	⊞	⌰	ʂ	⋈
Hyper cubes 0, 1, 2, 3, 4, 5, 6						

4. Four fold manifestation layer format of hyper cube is of sequential format and features (dimension fold, boundary fold, domain fold, origin fold).

5. The prominent feature of this format is that these are the sequential arrangement of the set ups and rolls of space contents of four consecutive dimensional spaces.

6. Illustratively, this in case of hyper cube 3 shall be of format and features in one space content as dimension fold, 2-space content as boundary fold, 3-space content as domain fold, 4-space content as origin fold.

7. This, subject to the context may be taken as of expression (1-space, 2-space, 3-space, 4-space)

8. Further subject to the context this expression may be taken as 1, 2, 3, 4.

9. This, as such would emerge and may be taken as quadruple (1, 2, 3, 4).

10. This quadruple (1, 2, 3, 4) may be taken as quadruple of consecutive number.

11. Simultaneously this quadruple, as well, can be taken as quadruple of four consecutive numerals.

12. Still further this quadruple can also be taken quadruple of consecutive artifices of numbers

13. Still further this quadruple can be taken as quadruple of consecutive dimensional frames of single dimension, pair of dimension, triple dimensions and quadruple dimension.

14. This quadruple also can be taken as 1-space body, 2-space body, 3-space body, 4-space body and in general as quadruple consecutive dimensional bodies say n-space, n + 2 space body and n + 3 space

15. The quadruple (1, 2, 3, 4) and in general (n, n+1, n +2, n) can be taken as four fold manifestation layer

16. This four fold manifestation layer with addition of an addition fifth fold may be taken as five fold Transcendental range (n, n+1, n +2, n+3, n +4).

17. On further extension and addition of sixth fold, would emerge self referral range (n, n+1, n +2, n+3, n +4, n+5)

18. Still on further extension would emerge seven fold unity state range (n, n+1, n +2, n+3, n +4, n+5, n+6)

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Chase step 37   Artifices of numbers
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1. Conceptually artifices of numbers are parallel to the format and features of dimensions of spaces.

2. Further conceptually these format and features of artifices of numbers on the one hand and dimensions of dimensional spaces on the other hand are parallel to the format and features of neutralization of orientations, which as negative and positive orientations accept neutralized state in between.

3. This triple of positive, negative and neutralized states sequencing as positive neutralized and negative or the other way round, 'negative,

neutralized and positive', as a three point fixation and as pair of triples (-1, 0, 1) and (1, 0, -1) deserves to be chased for structural set ups of geometric formats for artifices of numbers.

4. The triple (-1, 0, +1), as a set up of triple entities with focus upon the middle entity '0' as of neutralized orientation, shall be making it '1', whose comprehension as such as '0' as '1' and also on the other way round '1' as '0' on their chase shall be adding to our comprehension and appreciation of this format and features, on whose imbibing, we may enrich our insight.

5. The feature $0 + 0 = 0 = 0 \times 0$ and $-1 \times -1 = -1$, $0 \times 1 = 1$ and $1 \times 1 = 1$ will further help us have an insight about this set up.

6. Still further the bend at the middle (middle entity '0'), and the formation of the a two dimensional frame (of half dimension), shall be further adding to our insight about the emerging geometric format.

7. The reach from the first entity (-1) to the third entity (+1) with a jump over the middle entity (0) with the difference value $+1 - (-1) = +2$, will further help us reach at the feature of super imposition of pair of orientations for attaining neutrality. It is this difference value '+2' / '2' which is at the base of 1-space playing the role of dimension of 3-space.

8. Let us have a pause here and take note that the triple entities as triple points set up with a pair of gaps in between, as such shall be making it a set up of five structural components.

9. It is this reach from the triple structural components to five fold structural components, which as well is of value '2', the same as such will help us appreciate the difference of values of sequential placements of dimension fold and domain fold as jump over the in between the boundary fold is going to be of value '2' and the same as such shall be leading us to the format (dimension fold, domain fold) parallel to the format and features of a pair of artifices (n, n + 2).

10. The Vedic systems approach this difference value '2', as '2' अङ्गुल for reaching at 'पंक्ति' of 'ऋक'.

11. Let us have a pause here and chase TC values of these triple formulations
    i. 'अङ्गुल' ii. 'पंक्ति' iii. 'ऋक'

12. TCV (अङ्गुल) = 18

13. TCV (पंक्ति) = 22

14. TCV (ऋक) = 5

15. Let us have a pause here and take note that
    i. $18 = 3 + 4 + 5 + 6$, which is parallel to the four fold manifestation layer (3, 4, 5, 6) of hyper cube 5.
    ii. $22 = 4 + 5 + 6 + 7$, which is parallel to the four fold manifestation layer (4, 5, 6, 7) of hyper cube 6
    iii. $5 = 1 + 1 + 1 + 1 + 1$, which is parallel to format and features of an affine Transcendental range (1, 1, 1, 1, 1)

16. One may have a pause here and take note that the Transcendental range (3, 4, 5, 6, 7) shall be leading us to a pair of manifestation layers (3, 4, 5, 6) and (4, 5, 6, 7).

17. One may further have a pause here and take note that
    (i)   TCV (ऋक) = 5
    (ii)   TCV (यजु) = 9
    (iii)   TCV (साम) = 15
    (iv)   TCV (अर्थ) = 17
18. Further one may have a pause here and take note that there are साम Sam.
19. One may further have a pause here and take note that Lord Brahma, four head lord is the presiding deity of creator's space and Lord Shiv, five head lord is the presiding deity of 5-space.
20. The format and features of idol of Lord Brahma, four head lord, creator the supreme are parallel to the format and features of hyper cube 4 accepting four fold manifestation layer (format and features 2, 3, 4, 5) while the lingum of Transcendental lord (Lord Shiv), the five head lord is of the format and features of four fold manifestation layer (3, 4, 5, 6) and ahead Lord Vishnu accepts the format and features of the manifestation layer (4, 5, 6, 7)
21. One may permit transcending mind to continuously remain in prolonged sitting of trans and to glimpse the manifestations of creations and transcendence there from four fold manifestation layers to five fold Transcendental ranges.
22. Here it also would be relevant to note that Rigved accepts 21 branches, yajurved accepting 101 branches while samved accepts 1000 branches and atharavved accept 9 branches.
23. The quadruple artifices (21, 101, 1000, 9) permit re-organization as
    i.   21 = 10 + 01 + 10
    ii.   101 = 10 x 10 + 01 x 01
    iii.   1000 = 10 x 10 x 10
    iv.   9 = 10 – 01
24. One may have a pause here and take note that
    i.   (10, 01) and (01, 10) constitute reflection pairs and same synthesize as triple (1 x 01) and also manifest 101.
    ii.   This feature, as such shall be focusing upon the split and reach at a pair of orientations chase by transiting and transforming from single digit numerals (1, 2, 3, 4, 5, 6, 7, 8, 9) to double digit numerals (0, 1, 2, 3, 4, 5, 6, 7, 8, 9) and the matrix (10 + 01) x (10 – 01) = 11 x 9 a matrix format for re-organization of whole range of 99 double digit number of 10 place value system.
25. It further would be relevant to note that 10 = 1 + 2 + 3 + 4 and parallel to it the four fold manifestation layer (1, 2, 3, 4) of hyper cube 3 with spatial order 4-space as its origin fold, shall be permitting split for a three dimensional frame into a pair of three dimensional frames of half dimensions of opposite orientations, which shall be helping us comprehend, appreciate and to imbibe the script forms of numerals 3 and 6 as a reflection pair (३ and ६).
26. One may have a pause here and take note that
    i.   NVF (Hyper cube) = 131

    ii.   NVF (Cube Discipline) = 131

    iii.   NVF (Manifestation) = 146

                          = NVF (Format, format)

    iv.   NVF (Subtraction) = 161

    v.   NV F (Multiplication) = 174

27. One may have a pause here and take note that NVF (Impurity) = 131.

28. NVF (Hyper cube) =131

29. NVF (Cube Discipline) = 131

30. One shall permit the transcending mind to continuously remain in prolonged sitting of deep trans and to be face to face with this phenomenon of impurities of cube Discipline and needed transcendence through the manifestation format of hyper cube and the subtraction processes and multiplication thereof by attaining transcendence area as self referral area.

31. One may further have a pause here and take note that the Transcendental order is of value 1 x 3 x 5 =15.

32. Further as that the age of Transcendental order leads to 15 + 13 = 28 with NVF (Age) = 13 and NVF (Air) = 28; it is for focused attention that air is the fourth element.

33. This would be blissful to note that

NVF (Surprise) = NVF (Sur – Prise) = NVF (Two – Water), and as such the organizational coordination and pairing of the placements in the transcendence range of five elements with the sequential values of the placements themselves, are bound to play a blissful surprise under the systems of organization of artifices of numbers availing geometric formats as processes of the systems.

34. It would be a blissful exercise to chase artifices 1 to 100 as and in terms of the reflection pairs like (01, 10), 45 in number and 9 self reflecting artifices like (11, 22, ----) and 1 a triple digit artifice namely (100).

35. It would further be a very blissful exercise to chase whole range of 999 triple digits numbers and their organizations like (001, 100).

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       Chase step 38   Dimensional frames

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1. Dimensional frames are of basic features of geometric formats.

2. Dimensional frames are set ups of origins fountaining their values through dimensional axis.

3. N-space in the role of origin and n-3 space in the role of dimensions stand coordinated and constitute dimensional frame.

4. N-space as origin coordinates (n-1) dimensions of (n-3) order

5. The artifices triple (n, n-1, n-3), as such manifest a dimensional frame of (n-1) space.

6. The set of dimensional frame constitute a sequence.

7. We are well acquainted with the dimensional frame of 3-space.

8. It is a set of three linear dimensional axes coordinated with spatial order 4-space as origin.

9. It is because of the spatial order of the origin that NVF (Straight) = NVF (two space) and the transition and transformation of the linear order into spatial order leads to split of 3-space into 8 octants

10. Further the coordination of 8 three dimensional frame of half dimensions as 4 three dimensional frames of full dimensions together with 5th three dimensional frame of full dimensions stand coordinated at origin because of solid dimensional order of 5-space in the role of origin of 4-space which itself playing the role of origin of 3-space.

11. The phenomenon of split of a three dimensional frame into a pair of three dimensional frame of half dimensions and reverse phenomenon of synthesis of a pair of three dimensional frame of half dimension into a three dimensional frame of full dimensions deserves to be chased.

12. The synthesis of three quarters of a square and the emergence of fourth quarter of its own in the process is the also the phenomenon which deserves to be chased

13. NVF (Monad) + NVF (Monad) = NVF (Trimonad) and the phenomenon of three quarters of a square taking care of fourth quarter as well, also deserves to be chased as sequential steps

14. One may have a pause here and take note that the above sequential steps of NVF (Monad) + NVF (Monad) = NVF (Trimonad) and synthesis quarter of the square taking care of fourth quarter as well are parallel to format and features of artifice 2 leading to artifice 3 and artifice 3 leading to artifice 4.

15. Further the format and features of n-space playing the role of dimension of n + 2 space, on its chase shall be leading us to the sequential set of dimensional frames running parallel to the sequential set of domains.

16. It is this interrelationship of domain with dimension which deserves to be chased.

17. Further the synthesis of pair of dimensions of order n leading to value (n + 2) parallel to the value of (n+2) space in the role of dimension as well deserves to be chased.

18. Still further the synthesis of triple dimensions of any order always leading to value 6, is the feature which deserves to be chased for its complete comprehension and full appreciation.

19. The reach of domain to dimension, at next step leads to reach from dimension to dimension of dimension

20. As such the triple artifices n + 2, n, n- 2 constitutes a coordination path, whose chase shall be leading us to a pair of basic triples (1, 3, 5) and (2, 4, 6), whose chase will bring us face to face with permissible split for the Sathapatya measuring rod synthesized by hyper cubes 1 to 6

21. The dimensional orders (linear, spatial, solid and hyper solid), as such become the principle dimensional order

22. The quadruple artifices (1, 2, 3, 4) as manifestation layers of hyper cube 4, that way becomes the basic format for the chase of self referral range (1, 2,

3, 4, 5, 6) with 5-space in the role of base of origin and 6-space in the role of origin of base of origin.

23. It would be blissful to note that the chase of self referral range '1, 2, 3, 4, 5, 6' with the help of manifestation layer (1, 2, 3, 4) shall be further leading us to the manifestation layers (-1, 0, 1, 2) as dimensional layer for the manifestation layer (1, 2, 3, 4)

24. One may have a pause here and permit the transcending mind to chase above features along triple artifices (6, 4, 2)

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Chase step 39   Parallel formats
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1. It would be a blissful exercise to permit the transcending mind to have parallel chase of artifices of numbers and dimensional frames, vedic systems chase are of two fold processing features, designated and known as Sankhiya and Yoga.

2. Sankhiya presumes the existence of dimensional frames and processes in terms of artifices of numbers

3. On the other hand yoga presumes the existence of artifices of numbers and processes in terms of dimensional frames.

4. The Sankhiya and Yoga processing systems are complementary and supplementary of each other

5. Further Sankhiya and yoga processing systems run parallel to each other.

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