Vedic Mathematics, Science & Technology course

PART – II
TRANSCENDENTAL DOMAINS
(Chase steps 2 & 3)

Chase Step – 02
CHASE OF TRANSCENDENTAL DOMAINS

Chase Step – 03
CHASE OF NUMBER FIVE

I
Introductory

1. Previous week was about preliminary exposure.

2. This week is to formally introduce the transcendental domains.

3. These domains are the second stage of creation. First stage of creation is of manifestation features which means that the dimensionalized bodies like interval, square and cube etc. accepting four fold format for them.

4. These quadruple folds are distinctively designated as dimension fold, boundary fold, domain fold and origin fold.

5. This, infact is the format of 4-space, which is a spatial order space (2-space in the role of dimensions).

6. The second stage of creation is of transcendental features which means that above four folds format of creations is approached along with its BASE as the fifth fold for the four folds creations.

7. It that way takes us to 5-space.

8. There are two established processing processes, namely (i) Sankhiya Niststha which presumes dimensional frames and avails artifices of numbers and (ii) Yoga Niststha which presumes existence of

artifices of numbers and avails dimensional frames / geometric formats.

9. Here in the context it would be relevant to note that NVF (Format back) = NVF (Artifices).

10.   Further as that NVF (Artifices) = NVF (Front back)

11.   Accordingly there are two ways to approach 'transcendental domains', firstly as 'manifestation' of dimensional contents of 5-space as a domain fold of hyper cube 5 and secondly as along the features and values of artifice 5 / number 5 as artifices pair (5, 3).

12.   Accordingly the present second week chase steps are about transcendental domains (domain folds) of hyper cube 5 manifesting 5-space content.

13.   With this, now we are to take up chase steps 2 and 3 that is transcendental domains and chase step 3, number 5.

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Chase Step – 02

CHASE OF TRANSCENDENTAL DOMAINS

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1. 5-space content set up
2. Different roles of 5-space
3. Revisiting the relationships of different roles
4. Revisiting the coordination along artifices of numbers
5. Parallel chase features
6. Transitions
7. Repeated reflection
8. Manifestation of cubes
9. Simultaneous handling of spatial and solid orders
10.   Transcendental code basis

11.   **Sequential chase**
12.   **Transcendental Carriers**
13.   **Hexagon format ahead**

I
5-space content set up

1. Transcendental domain are the set ups of 5-space content.

2. Transcendental domains are the 5-space content lumps as domain folds of hyper cube 5.

3. Hyper cube 5 accepts four fold manifestation layer format parallel to quadruple of artifices (3, 4, 5, 6).

4. Within creator's space (4-space) which is of a spatial dimensional order (2-space) in the role of dimension (the manifestation features are expressible along 4 x 4 matrix / grid formats, which in reference to 5-space shall be of following features

2	3	4	5
3	4	5	6
4	5	6	7
5	6	7	8

II
Different roles of 5-space

5. As such, amongst others, 5-space shall be playing roles as under

   a. Transcendental dimensional order of hyper cube 7
   b. Transcendental boundary of hyper cube 6
   c. Transcendental origin of hyper cube 4
   d. Transcendental base of hyper cube 3
   e. Self referral format of hyper cube 2
   f. Unity state of hyper cube 1
   g. Existence nature of hyper cube 0

6. The above roles can be chased as inter relationship of artifices pairs as under :

a. (5, 7) b. (5, 6) c. (4, 5) d. (3, 5) e. (2, 5) f. (1, 5) g. (0, 5)

III
Revisiting the relationships of different roles

7. The above relationship also can be revisited as
   a. (5-space as dimension, 7-space as domain)
   b. (5-space as boundary, 6-space as domain)
   c. (4-space as domain, 5-space as origin)
   d. (3-space as domain, 6-space as base)
   e. (2-space as domain, 6-space as format)
   f. (1-space as domain, 7-space as unity state)
   g. (0-space as domain, 8-space as existence nature)

8. Still further the above coordination can be comprehended as dimensional coordination of dimensional contents as

   a. 5-space content as dimension
   b. 7-space content as domain
   c. 5-space content as boundary
   d. 6-space content as domain
   e. 4-space content as domain
   f. 5-space content as origin
   g. 3-space content as domain
   h. 6-space content as base
   i. 2-space content as domain
   j. 6-space content as format
   k. 1-space content as domain
   l. 7-space content as unity state
   m. 0-space content as domain,
   n. 8-space content as existence nature

IV
Revisiting the coordination along artifices of numbers

9. The above coordination can be revisited in terms of pairing of artifices along the artifices range (0, 1, 2, 3, 4, 5, 6, 7, 8) as
   a. (5, 7) b. (5, 6) c. (4, 5) d. (3, 5) e. (2, 5) f. (1, 5) g. (0, 5)

10.   Parallel to above range would be the range (1, 2, 3, 4, 5, 6, 7, 8, 9).

11.   The pairing of above ranges (0, 1, 2, 3, 4, 5, 6, 7, 8) and (1, 2, 3, 4, 5, 6, 7, 8, 9) shall be leading us to paired pairings
a. (0, 1) b. (1, 2) c. (2, 3) d. (3, 4) e. (4, 5)
f. (5, 6) g. (6, 7) h. (7, 8) i. (8, 9)

12.   Parallel to above paired pairings are the pairings of
a. 1-space content wrapped within 0-space content
b. 2-space content wrapped within 1-space content
c. 3-space content wrapped within 2-space content
d. 4-space content wrapped within 3-space content
e. 5-space content wrapped within 4-space content
f. 6-space content wrapped within 5-space content
g. 7-space content wrapped within 6-space content
h. 8-space content wrapped within 7-space content
i. 9-space content wrapped within 8-space content

13.   Parallel to above paired pairs coordination would be as under
i.   boundary domain coordination of interval as 1-space body,
ii.   boundary domain coordination of square as 2-space body,
iii.   boundary domain coordination of cube as 3-space body,
iv.   boundary domain coordination of hyper cube 4 as 4-space body,
v.   boundary domain coordination of hyper cube 5 as 5-space body,
vi.   boundary domain coordination of hyper cube 6 as 6-space body,
vii.   boundary domain coordination of hyper cube 7 as 7-space body,
viii.   boundary domain coordination of hyper cube 8 as 8-space body,
ix.   boundary domain coordination of hyper cube 9 as 9-space body,

14.   One may have a pause here and take note that hyper cube 5 comes at the middle of the above range.

V
Parallel chase features

15.   Parallel to it, number 5 comes at the middle of 9 numerals range of ten place value system.

16.   Parallel to it are 9 vowels of Devnagri alphabet.

17.   Bend at the middle of 9 steps long range provides transition and transformation from the format of state line to the format of a plane.

18.   This as such shall be leading to 5 x 5 grid / matrix format

19.   The 25 grid zones (squares arranged as 5 roles of 5 squares / 5 squares column as five columns shall be leading to 4 x 4 grid / matrix format coordinating the centers of 5 x 5 grid format grid zones / squares.

20.   A step ahead coordination of the centers of grid zones squares of 4 x 4 grid format, shall be leading to 3 x 3 grid / matrix format

21.   One may have a pause here and take note that the centers of grid zones of 4 x 4 grid / matrix format get super imposed upon the interval vertices of 5 x 5 grid / matrix format.

22.   This feature, that way amounts to super imposition of such vertices for the second time.

23.   It is this feature of super imposition of a vertices over vertices which shall be making the internal vertices of grid to be of different features then that of the external vertices.

24.   This feature, that way while makes external vertices being encircled once, on the other hand the internal vertices would be of the features of getting encircled two times.

25.   It is this feature of reach from 5 x 5 grid format to 3 x 3 grid format, deserves to be comprehended well and to be imbibed fully to

have an insight about the domain and dimension folds coordination interse.

VI
Transitions

26.   Further the transition from linear order / straight line format to spatial order / surface format, shall also be focusing upon
a. A shift from full line to half line
b. A shift from side (of a square) to diagonal (of a square).
c. This shift from 'side' with NVF (side) = 37 and NVF (diagonal) = 63

27.   The feature (a) above coordinates artifices 3 and 7, as well as artifices 6 and 3, the coordination of artifices 3 and 7 as such is the coordination of 3-space with its seven geometries / 7 versions of cube / 3 dimensional frame permitting split at the origin as a pair of 3 dimensional frames of half dimensions of opposite orientations

28.   One may have a pause here and take note that cube accepts 6 surface plates at boundary, 3 dimensional frame permits split into 6 half dimensions.

29.   Further as that in such split, origin gets segregated, as well as 7th geometry of 3-space and 7th version of cube as well gets segregated.

30.   This segregation as such is of the features of zero signature geometry / point origin / 7 points coordinating 6 units (of length)

31.   Further as that, the split of a three dimensional frame into pair of three dimensional frame of half dimensions is of opposite orientations. Parallel to it Devnagri alphabet as script format for numerals 3 and 6 as of '३, ६'

32.   The numbers 36 and 63 scripted in terms of Devnagri numerals shall be leading us to expressions '३६, ६३'

33.   Here it also would be relevant to note that NVF (Real) = 36 and NVF (Limit) = 63

34.   Further as that NVF (Real limit) = NVF (Thought).

35.   The artifice 99 permit re-organization as 9 x 11 = 10 – 1 x (10+1)

36.   This re-organizaiton provides us a format for 9 x 11 grid / matrix format for organization of double digits numbers of ten place value systems with number 99 being the biggest double digit number of ten place value system

37.   The grid 9 x 11 and organization of double digit numbers of ten place value system, as under splits the organization into a pair of parts of the grid, namely upper part which accepts the mirror line (11, 22, 33, 44) at the lower part accepting mirror line (55, 66, 77, 88, 99)

01	02	03	04	05	06	07	08	09	
10	11	12	13	14	15	16	17	18	
19	20	21	22	23	24	25	26	27	
28	29	30	31	32	33	34	35	36	
37	38	39	40	41	42	43	44	45	
46	47	48	49	50	51	52	53	54	
55	56	57	58	59	60	60	61	62	
63	64	65	66	67	68	69	70	71	
72	73	74	75	76	77	78	79	80	
81	82	83	84	85	86	87	88	89	
90	91	92	93	94	95	96	97	98	99

38.   The above split deserves to be chased in detail. However for the present it is being not taken up for its details here.

39.   The number 99 permits re-organizaiton as reflection pair of numbers as (09, 90), (18, 81), (27, 72), (36, 63) and (45, 54). All these organizations as well deserve to be chased in detail but her for the present only the organization (36, 63) is being taken up

VII
Repeated reflection

40.   The artifices (3 and 6) scripted as (iii and vi) lead us to a pair of paired pairings of reflection pairs namely (iii and vi) and (vi, iii). Further this pair of artifices 3 and 6 as well lead us to pair of triples each of which itself is having a repeated reflection to retain the origin position as

   A. First triple (iii and vi, iii) which leads to reflection pairs (i) (3, 6) and (ii (6, 3)

   B. Second triple (6,3,6) as well leads to a pair of reflection pairs namely (i) 6, 3 and 3, 6

41.   The number 363 and 636 as such shall be helping us have insight about pair of triples and repeated reflection avails for reaching back at the original position in case

42.   Number 363 permits re-organization as 3 x 121, while the number 636 permits re-organizaiton as 6 x 106

43.   The numbers 121 and 106 as number values formats lead us to NVF (circumference) = 121 = 11 x 11 = NVF (Bed, Bed)

44.   The number 106 as number value format leads us to NVF (infinity) = (106) = 53 + 53 = NVF (Axis, Axis)

45.   These features together as such, shift a focus from line to surface as its diagonal.

VIII
Manifestation of cubes

46.   The matrix / grid formats along surface / square, in general as n x n, and in particular as 4 x 4 and 5 x 5 shall be permitting manifestation of cubic values 4^3 and 5^3 as under

1	2	3	4	summation value = 10
2	3	4	5	summation value = 14
3	4	5	6	summation value = 18

| 4 | 5 | 6 | 7 | | summation value = 22 |

Total summation value $= 64 = 4^3$

1	2	3	4	5	summation value = 15
2	3	4	5	6	summation value = 20
3	4	5	6	7	summation value = 25
4	5	6	7	8	summation value = 30
5	6	7	8	9	summation value = 35

Total summation value $= 125 = 5^3$

IX
Simultaneous handling of spatial and solid orders

47.   This pair of matrices 4 x 4 and 5 x 5 and parallel to it the split of 9 x 11 grid format above availed for organization of double digit numbers of ten place value systems shall be focusing upon the feature of parallel as well as simultaneous handling of spatial order 4-space set up and solid order 5-space set up

48.   It shall be as such leading us from creative domain (of 4-space content to transcendental domains of 5-space content.

49.   A step ahead would follow parallel, as well as simultaneous processing along 5 x 5 matrix format and 6 x 6 matrix format parallel to solid order transcendental domains and hyper solid self referral domains manifesting together as hyper cube 6

X
Transcendental code basis

50.   We may have a pause and recapitulate above sequential steps
  (i)   Firstly the availability of hyper cube 1 to 9, parallel to 9 vowels / स्वर , as linear sequential organization
  (ii)   Availability of n x n format / 4 x 4 format for chase of four fold manifested creations in terms of artifices 1 to 26 parallel to 26 meters छंदस (chandas) of four quarters each as spatial sequential organization.
  (iii) Availability of 5 x 5 matrix format accepting diagonal of range values (5, 5, 5, 5, 5) with summation value 25 = 5 x 5

and the total value of all the 25 entries of 5 x 5 matrix as under: being 125 = 5 x 5 x 5

1	2	3	4	5	summation value = 15
2	3	4	5	6	summation value = 20
3	4	5	6	7	summation value = 25
4	5	6	7	8	summation value = 30
5	6	7	8	9	summation value = 35

Total summation value = $125 = 5^3$

(iv) Infact availability of n x n matrix with diagonal of n values range (n, n, ---- n) of summation value n square and total summation value of the matrix as under being $n^3 = n \times n \times n$.

51. A step ahead, which shall be the subject matter of advance course, there shall be a reach to 11 x 13 matrix for 12 place value system and also the quadruple (6, 6, 6, 6) as paired pairs (6, 6), (6, 6) which as dimensional synthesis rule shall be leading to the pair (8, 8) and the same ahead shall be leading us to (10), accepting re-organization as $10 = 1 + 2 + 3 + 4$, a linear order hyper cube 3 which would be step ahead of zero dimensional order hyper cube 2 of summation value $6 = 0 + 1 + 2 + 3$. It would be a self referral system

52. The above four stages are
   i. Hyper cubes 1 to 9 as sequential linear set up as format for स्वरः Vowel
   ii. 5 x 5 grid / matrix format and parallel to it 5 x 5 varga consonants and parallel to it the availability of 26 meters (छंदस) chandas of features 5 x 5 + 1 x 1.
   iii. Double encircling of interval vertices of the grid leading to transcendence and transcendental domains parallel to which are the dimensional contents / Dravya (द्रव्यः) of Jyoti / light values (gods / devta / देवताः)
   iv. Step ahead, the self referral organization (Rishi / seers)

53. This as such shall be the organization features of Samhitas, Vedas (Mantras / Richas) about transcendental domains, as manifestation of manifestation folds and dual steps transcendence as

linear order to solid order in first step and solid order to transcendental order as a second step.

XI
Sequential chase

54. To appreciate that, let us sequentially chase
    a. Starting with point reaching at a line.
    b. Line taking us to plane.
    c. Plane taking us to diagonal.
    d. Diagonal taking us to surface.
    e. Surface accepting a pair of faces and taking to domains / solids
    f. The cube accepting spatial diagonals and making the cube a set up of pair of prisms.
    g. The spatial diagonal surface of the cube accepting a pair of faces and leading to the solids / domains.

55. The above twice reach for the domain fold would help us appreciate the values of domain fold of the manifestation layer of manifestation layers.

56. Such a chase shall be leading us to dimensional domains as Vedic Richas domains.

57. The present introductory course simply aims to lay foundations for the advance stage VMS & T course for the chase of pure and applied values of VMS & T of the range of 'human body' to 'Sun'.

58. NVF (Semen) = NVF (Light) = NVF (Domain) = NVF (Three) are the aspects of the features of VMS & T of the phase and stage of 26 meters chase from Earth to Sun as well as for the chase of existence within human body.

XII
Transcendental Carriers

59. 5-space, 5-space content, transcendental domains and transcendental carriers are of interrelated features and as such these are to be chased in reference to each other.

60.   5-space accepts a dimensional frame of five dimensions each of which is of a solid order (3-space in the role of dimension).

61.   5-space as domain fold accepts a measuring rod synthesized by hyper cubes 1 to 5.

62.   Manifestation of 5-space content as dimension fold of hyper cube 5 in 4-space with 7-space as base of its origin fold brings to focus the role of 5-space as dimension fold of hyper cube 7.

63.   This role of 5-space as dimension of 7-space, as such makes it a format path of transcendental carriers.

64.   5-space in the role of dimension of 7-space, that way makes leads to a coordination pair (5, 7), as well as brings to focus reflection pair of artifices (75, 57).

65.   Further 1 x 3 x 5 = 15 as dimensional value for dimensional 5-space in the role of dimension shall be leading to 15 x 15 = 225 = 75 x 3 = 150 + 75 = NVF (Transcendental domains).

66.   Still further the quadruple (222, 223, 224, 225) shall be focusing upon the artifice (222) which as NVF value leads to NVF (Transcendental Carriers) = 222 = NVF (Sunlight mathematics) = NVF (Frequencies Discipline)

67.   Still further 222 = 111 + 111 leads to NVF (transcendental carriers) = NVF (Perfection) + NVF (Perfection) = NVF (Seal, Seal, Seal) + NVF (Seal, Seal, Seal).

XIII
Hexagon format ahead

68.   This as such makes it a hexagon seal (6 seals)

69.   It shall be taking us to the format of hexagon, whose center would accept sequential enveloping by hexagons within hexagons.

70.   Here it would be relevant to note that the features NVF (trimonad) = NVF (monad, monad) and the dimensional synthesis

value for triple dimension of any order equal to 6 and that center of hexagon / center of hyper cube 6 / origin of 7-space being 7-space of transcendental dimensional order (5-space in the role of dimension of 7-space) shall be providing us insight about the inter-relationship of transcendental domains (5-space content as dimension fold) and 5-space in the role of dimension.

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CHASE OF NUMBER FIVE

This chase step is being dealt with in two sections. Section – 1 takes up the dimensional synthesis features along polygon sequence. Section – 2 is in the form of a fresh start for chase starting with initial features, so that the basic features of 5-space / 5-space content, hyper cube 5, pentagon format, super imposition of solid dimensional order and transcendental domain are comprehended well.

SECTION – 1

1. **Five Units**
2. **Polygons**
3. **Synthesis of dimensions of order n**
4. **Artifices pair**

SECTION – 2

5. **Initial features**
6. **Parallel geometric formats**
7. **Pentagon format**

SECTION - 1

I
Five Units

1. $5 = 1 + 1 + 1 + 1 + 1$ is expression for '5' for '1' as unit.

2. In general $5u = u + u + u + u + u$ is expression for '5 units' for 'u' as a unit.

II
Polygons

3.   Triangle is a polygon of three sides, rectangle is a polygons of four sides, pentagon is a polygon of five sides, hexagon is a polygon of six sides and so on is constituted a sequence of polygons.

3.1   Triangle is a set up whose all three vertices are part of the set up of a polygon of three sides.
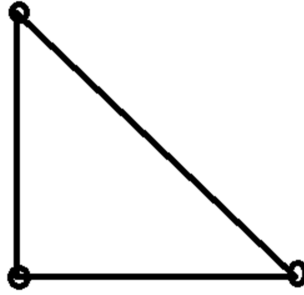
4.1   The lines connecting vertices are the sides of the polygon itself. This is the feature which shall help us comprehend as that there is no internal diagonal (line which connects a pair of vertices and passes through the internal surface of the polygon) in this case.

4.2   This feature may be taken as that there are zero number of internal diagonals in case of polygon - 3.
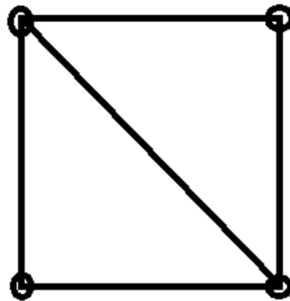
5.   In case of polygon – 4, from each vertices there can be drawn one internal diagonal. A step ahead polygon – 5 shall be permitting construction of a pair of internal diagonal from every vertices. In general polygon n shall be permitting (n-2) number of internal diagonals from every vertices from the polygon.

III
Synthesis of dimensions of order n

5.2   This feature of polygons provides a format for synthesise of a pair of dimensions requiring a single unit of dimension of dimension to synthesise dimensions, parallel to the feature of polygon 4.

5.3   It can be accepted as that second dimension for its synthesis with the first dimension requires a single unit of dimension of dimension to attain synthesis.

5.4 A step ahead, third dimension requires a pair of units of dimension of dimension for its synthesis with previous pair of dimensions, parallel to the feature of polygon 5.

5.5 Still a step further fourth dimension shall be requiring three units of dimension of dimension for its synthesise with previous three dimensions, parallel to the feature of hyper cube 6.

6 In general synthesis of nth dimension with previous (n-1) dimensions shall be requiring (n-1) units of dimension of dimension, parallel to the format of polygon n + 2.

7. The above rule shall be yielding synthesise values as under :

i. Synthesis of pair of dimensions of order $n = n + n – (n-2) = n + 1$.
ii. Synthesis of three dimensions of order $n = n + 2 + n – (-2) (n-2) = 6$.
iii. Synthesis of four dimensions of order $n = 6 + n -3 (n-2) = 12 – 2n$
iv. Synthesis of five dimensions of order $n = 12 – 2n + n – 4 (n-2) = 20 – 5n$

8. One may have a pause here and to comprehend the following sequential pattern

column no. i Serial
column no. ii polygon
column no. iii Number of Internal diagonals
column no. iv Synthesis of Dimension with previous dimensions
column no. v Total number of synthesized dimensions
column no. vi Total Number of Synthesis units of dimension of dimension
column no. vii Synthesise value computation
column no. viii Net synthesis value

I	II	III	IV	V	VI	VII	VIII
1	Pol-4	1	Second	2	1x (n-1)	n+n-(n-2)	2+ n
2	Pol-5	2	Third	3	2x (n-1)	(n+2)+ n- 2 (n-2)	6
3	Pol-6	3	Fourth	4	3x (n-1)	6+ n- 3 (n-2)	12-2n
4	Pol-7	4	Fifth	5	4x (n-1)	(12-2n)+ n- 4 (n-2)	20-5n
5	Pol-8	5	Sixth	6	5x (n-1)	(20-5n) + n- 5 (n-2)	30-9n

6	Pol-9	6	Seventh	7	6x (n-1)	(30-9n) + n- 6 (n-2)	42-14n
7	Pol-10	7	Eighth	8	7x (n-1)	(42-14n) + n- 7 (n-2)	56-20n
8	Pol-11	8	Ninth	9	8x (n-1)		
9	Pol-12	9	Tenth	10	9x (n-1)		
10	Pol-13	10	Eleventh	11	10x (n-1)		

9. It would be a blissful exercise to fillup the blank columns by comprehending the sequential features. The above net value be taken as of two parts. First part which is simply a number and second part which has n as a factor. As far as the first part is concerned the values are increasing in a sequence (2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, --). As far as the second part is concerned the value is sequentially decreasing as (-2, -3, -4, -5, -6, -7, -8, -9, -10, ----). In this light the dimensional synthesis values of order n for any number of dimensions can be calculated.

10. One may have a pause here and to shift from unit as '1' to a general unit 'u'.

11. With this shift, the net values of dimensional synthesis, as have been tabulated above in column n for unit = 1, the net values can be reached at for general value of unit as 'u' and same shall be as follows

I	II	III	IV	V	VIII
1	Pol-4	1	Second	2	(2+ n) x u
2	Pol-5	2	Third	3	(6) x u
3	Pol-6	3	Fourth	4	(12-2n) x u
4	Pol-7	4	Fifth	5	(20-5n) x u
5	Pol-8	5	Sixth	6	(30-9n) x u
6	Pol-9	6	Seventh	7	(42-14n) x u
7	Pol-10	7	Eighth	8	(56-20n) x u
8	Pol-11	8	Ninth	9	
9	Pol-12	9	Tenth	10	
10	Pol-13	10	Eleventh	11	

12. It would be a very blissful exercise to take u = 3 / 2 and reach at the values as under and to comprehend these features for the dimensional synthesise of dimensions of order n for the unit 3/2.

I	II	III	IV	V	VIII
1	Pol-4	1	Second	2	(2+ n) x 3/2
2	Pol-5	2	Third	3	(6) x 3/2
3	Pol-6	3	Fourth	4	(12-2n) x 3/2
4	Pol-7	4	Fifth	5	(20-5n) x 3/2
5	Pol-8	5	Sixth	6	(30-9n) x 3/2
6	Pol-9	6	Seventh	7	(42-14n) x 3/2
7	Pol-10	7	Eighth	8	(56-20n) x 3/2
8	Pol-11	8	Ninth	9	
9	Pol-12	9	Tenth	10	
10	Pol-13	10	Eleventh	11	

13. It would be blissful to chase above tabulations for n = 1 and u = 3/2 which shall be as follows

I	II	III	IV	V	VIII
1	Pol-4	1	Second	2	3 x 3/2 = 9/2
2	Pol-5	2	Third	3	6 x 3/2 = 9
3	Pol-6	3	Fourth	4	10 x 3/2 = 15
4	Pol-7	4	Fifth	5	15 x 3/2 = 45/2
5	Pol-8	5	Sixth	6	21 x 3/2 = 63/2
6	Pol-9	6	Seventh	7	28 x 3/2 = 42
7	Pol-10	7	Eighth	8	36 x 3/2 = 54
8	Pol-11	8	Ninth	9	45 x 3/2 = 135/2
9	Pol-12	9	Tenth	10	55 x 3/2 = 165/2
10	Pol-13	10	Eleventh	11	66 x 3/2 = 99

14. One may have a pause here and be face to face with the spectrum of values for different values of n and different values of u. For n = 1, u = 1 it shall be providing us a format of dimensions as sides while for u = 3/2 it shall be for the format of diagonals. Like that for different values of n and different values of u we shall be reaching at a very rich structural spectrum in terms of which we may have an insight of

the set up of the solar universe with pole star as its origin of transcendental dimensional order.

15. It would be blissful to note that during first week the preliminary exposure was for dimensional synthesis values for u = 1 and here during this week we are transiting from u = 1 to u as a general value of unit.

16. It would be very blissful to take u = 21= 1 + 2 + 3 + 4 + 5 + 6.

17. Still further it would be blissful to take u as un = 35 = 7+7 +7 + 7 + 7.

18. Still further u as uni = 44 = 11 + 11 + 11 + 11

19. Still further u as unit = 64 = 4^3 shall be making us gratefully richer in our comprehension and insight of our existence phenomenon within solar universe with pole star as origin being of a transcendental dimensional order.

20. The unit value 64 permits re-organization as 4 x 4 x 4 and the same permits further re-organization along 4 x 4 matrix format for this value as four quadruples (1, 2, 3, 4), (2, 3, 4, 5), (3, 4, 5, 6) and (4, 5, 6, 7). This shall be leading to a diagonal of equal values (value 4) at all the four points. With this the vertical square constructed on this diagonal shall be providing us value 16 x 4. The spatial format (2-space) format, with re-organization NVF (Straight) = 102 = NVF (Two space) shall be on its chase yielding us features whose chase would help us have transition from 3/2 unit to 5/2 unit. And like that processing would help us proceed ahead.

IV
Artifices pair

21. The artifices pair (5, 3) with summation value 5 + 3 = 8 and parallel to it the set up of 5-space as domain fold and 3-space as dimension fold getting super imposed like + 1 space as domain fold and -1 space as dimension fold, on its chase shall be taking us from hyper cube 5 to hyper cube 8. The unity state boundary of hyper cube 8 is of 14 components, while the dimensional coordination for hyper

cube 8 is of 8 x 6 = 48 components / coordinates. This artifices pair (16, 48) would help us have a chase as 3 as 1 and 1 as 3 being simultaneously available. It would be a transition from the set up of 2 as 1 and 1 as 2 attained by super imposition of 4-space as domain and 2-space as dimension which shall be leading to hyper cube 6 with 12 boundary components and 6 x 4 = 24 coordinates and the artifices (12, 24) providing ½ and 2/1 features.

SECTION - 2

Initial features
Parallel geometric formats
Pentagon format

SECTION – 2

V
Initial features

22.   It would be blissful to chase number 5 starting with its initial features.

23.   Number five is the fifth count; One, Two, Three, Four, Five.

24. $5 = 4 + 1 = 3 + 2 = 2 + 3 = 1 + 4$.

25. $5 = 1 + 1 + 1 + 1 + 1$.

26.   5 is the middle numeral of 9 numerals range of 10 place value system.

27.   The numerals range (1, 2, 3, 4, 5, 6, 7, 8, 9) would permit re-organization as 5-4, 5-3, 5-2, 5-1, 5-0, 5+1, 5+2, 5+3, 5+4).

28.   The above organization permits its chase as a pair of ranges of equal steps accepting coordination at sequential parallel placements as under:

5	5	5	5	5	5	5	5	5
-4	-3	-2	-1	0	1	2	3	4

29. $1+2+3+4+5 = 15 = 3 + 3+3+3+3 = 5 + 5 + 5 = 3 \times 5 = 1 \times 3 \times 5$.

30.   Parallel to the range (1, 2, 3, 4, 5), --- , would follow the range (5, 10, 15, 20, 25, ---)

31.   Parallel to number 5 would exist number (-5) as fifth count from zero.

32.   +5 and -5 being 5th count from zero as such + 5 and -5 are identical counts.

33. $1/5 + 2/5 + 3/5 + 4/5$ and $5/5 = 3$

34. $1/4 + 2/4 + 3/4 + 4/4 = 5/2$

35. $1 + 2 + 3 + 4 + 5 + 4 + 3 + 2 + 1 = 5 \times 5$

1	2	3	4	5	summation value = 15
2	3	4	5	6	summation value = 20
3	4	5	6	7	summation value = 25
4	5	6	7	8	summation value = 30
5	6	7	8	9	summation value = 35

Total summation value = $125 = 5^3$

36. $5/ 1 + 5/2 + 5/3 + 5/4 + 5/5 = 3 \times 5 = 15$

37. $5/1 + 5/2 + 5/3 + 5/4 = 25/2$

38. $5 + 10 + 15 + 20 + 25 + 20 + 15 + 10 + 5 = 125 = 5 \times 5 \times 5$.

VI
Parallel geometric formats

39.   5 and a^5 domain fold of hyper cube 5

40.   10 and a^5 : 10 B^4 boundary fold of hyper cube 5

41.   15 and solid order of 5-space 1 x 3 x 5

42.   20 = 5 x 4 coordination of boundary fold and domain fold

43.   25 = 5 x 5 = 1 + 3 + 5 + 7 + 9, two phased transcendence pairing (1, 3, 5) and (5, 7, 9)

44.   30 = 6 x 5 coordination of domain fold and origin fold

45.   35 = 7 x 5 coordination of domain fold and base fold

46.   The dimensional synthesis values of five dimensions of all orders as well avail the multiple values of 5, as is evident from the following table

Sr	Dimensional order	Synthesis value of 5 dimensions
1	0	20
2	1	15
3	2	10
4	3	5
5	4	0
6	5	-5
7	6	-10
8	7	-15
9	8	-20
10	9	-25

47.   Likewise negative dimensional orders as well shall be accepting synthesize values, for synthesis of 5 dimensions as multiplies of 5 as is evident from the following tabulation.

Sr	Dimensional order	Synthesis value of 5 dimensions
1	0	20
2	-1	25
3	-2	30
4	-3	35
5	-4	40
6	-5	45
7	-6	50
8	-7	55
9	-8	60
10	-9	65

48.   The dimensional synthesis values of the range (-70) to +70 shall be taking us to the range of dimensional orders of (-10) space in the role of dimension to +23 space in the role of dimension.

49.   This range from -10 space to +23 space, as such is the range of 34 dimensional orders

50.   Artifice 34 has amongst others, the following basic features:
   i.   NVF (One) = 34
   ii.   Artifice pair (34, 43) is of the summation value 77 which as NVF value leads us to NVF (matter) = 77
   iii.   The artifices pair (34, 43) avails artifices 3 and 4 and parallel to them 3-space and 4-space accept coordination firstly as 3-space as boundary and 4-space as domain of hyper cube 4, and further 4-space as domain and 3-space as dimensional order of 5-space as origin fold of hyper cube 4.

51.   Artifice 3 and 4 are also having parallel features of 3 manifest quarters of square and the fourth unmanifest quarter of a square

52.   Still further cube has 3 dimensional frame for its domain which for its sustenance also accepts four diagonal coordinating 8 corner points as 4 pairs of corners as end points of the diagonals.

53.   The 5 x 5 matrix of values as under shall be leading us to total summation value 137 / 4.
   1/1   2/1   3/1   4/1   5/1
   1/2   2/2   3/2   4/2   5/2

```
1/3   2/3   3/3   4/3   5/3
1/4   2/4   3/4   4/4   5/4
1/5   2/5   3/5   4/5   5/5
```

54.   The above arrangement value 137/4 is less than value 7 x 5 = 35 only by the value 3 / 4, which is parallel to the value of 3 manifest quarters of a square

55.   5-space is origin fold of hyper cube 4 being the four fold manifestation layer (2, 3, 4, 5)

56.   The dimensional synthesis value of 1, 2, 3 and 4 transcendental dimension (5-space as dimension) come to be the sequential quadruple of values (5, 7, 6, 2)

57.   The parallel sequential values of above pair of quadruples of artifices lead us to the following feature:

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5   7   6   2
2   3   4   5
```

    i.   The pairing of end values (5, 2) and (2, 5), make them of opposite orientations.

    ii.   The middle pair of values of both the quadruples are (7, 6) and (3, 4) which as well are of opposite orientations as 7, 6 is a decreasing sequential order while 3, 4 is increasing sequential order

    iii.   Column wise as well (7, 3) and (6, 4) are so arranged as that in both cases the middle value is (5)

    iv.   Such placements of value 5 at end points and at middle points shall be permitting coordination as of the format of coordination of pair of Swastik padas

58.   One may have a pause here and permit the transcending mind to glimpse the feature of above organization with focus upon the value of number 5 at different phases and stages of above organization

VII
Pentagon format

59.   Pentagon is the first polygon which accepts internal polygon in terms of intersections of diagonals from its all vertices. Each vertices leads to a pair of diagonals. The set of ten diagonals pair themselves for their repeated occurrence as super imposed 5 diagonals.. Each such diagonal as super imposed pair of diagonals , that way is a set up of super imposed opposite orientations.

60.   Pentagon also accepts internal polygon constructed by middle points of the sides of the polygon. This feature of polygon 5 is in continuity of such existence of polygon within polygon, polygon 3 within polygon 3 and so on, each polygon n accepting internal polygon n.

61.   Third feature of polygon 5 is that it accepts construction of external polygon 5 by constructing a triangle for each side of the polygon as base of such triangle. The vertices of the triangle outside the base, as such shall be becoming the vertices of the external polygon

62.   This set up of external polygon 5 in terms of 5 triangles is accepted as the format of 'star'. Here in the context it would be relevant to note that NVF (star) = NVF (Two)

63.   Of the above three polygons standing constructed in reference to a given polygon 5 is a unique feature for polygon 5 which was no more available for polygons 1 to 4

64.   Polygon 4 seals its internal surface with its diagonals meeting at the center of the polygon itself. With it the space gets sealed at the center. However from polygons 5 onwards, the existence of internal polygon makes the space around the center of the polygon being enveloped by a polygon. Not only that this becomes a process and infinitum and thereby there being infinite sequence of polygons of the same order enveloping the center of a given polygon of order 5 or higher than 5.

65.   Polygon 5 being the first polygon being of above features, it as such deserves to be chased further with the help of three types of polygon 5 getting associated with a given polygon 5. This feature of polygon 5 becoming a format for construction of three types of polygons 5 is parallel to the feature of artifices pair (5, 3) and parallel to it of features of 5-space, 3-space / 5-space as domain fold, 3-space as dimension fold. As such polygon 5 becomes the printout of hyper cube 5 within 2-space

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Note :- Third week chase steps no 4, 5 & 6 are schedule for 29-11-2013.

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