

Sri – Om
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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 Project
School Text Books
(Class IX, X, XI & XII)

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VMS & T Text Book Class XI
(5-space)

Chapter – 1 'Number – 5 and 5-Space'
Exercises Notes

1. Text of each chapter aims to cover one basic aspect of '5-space' VMS & T. Text focuses upon conceptual aspects.
2. The conceptual aspect avails technical terms which would require expository notes and connected information.
3. These, as such may be taken as 'exercises notes'.
4. The exercises notes in respect of Text of chapter – 1 are centered around the basic aspect of VMS & T of 5-space.
5. The aspect being focused in chapter – 1 'Number 5 and 5-space', as the title of the chapter indicates is about the inter-relationship of values and artifices of number 5 with formats of 5-space content manifesting as domain fold within a five dimensional frame.
6. This, this way though essentially is of focus upon 'domain fold' of hyper cube 5, as representative regular body of 5-space but this focus takes to the enveloping feature manifesting as boundary fold of hyper cube 5.

7. It is this aspect of domain fold (᳚) as it stands enveloped within creative boundary (4-space as boundary) is being chased in the text of chapter – 1 ‘Number 5 and 5-space’.
8. This aspect is being taken up as a step in continuity of domain folds of hyper cube 3 and hyper cube 4.
9. The text of class 11, as such is presuming the knowledge of text of class 9 and class 10, which respectively cover VMS & T of 3-space and VMS & T of 4-space along the formats of hyper cube 3 and hyper cube 4 respectively.
10. It is in this background that at each step of text of chapter 1 ‘Number 5 and 5-space’, there is a mention of re-capitulation of respective aspects of domain folds of hyper cube 3 and hyper cube 4, with an aim to indicate continuity of study of domain fold of hyper cube 5.
11. The first exercise, as such, naturally would be that this continuity feature is to be comprehended well. As a step towards such comprehension and for proper imbibing of the features and values thereof, one shall tabulate the relevant features of hyper cubes 3, 4 and 5. For proper appreciation, one may go a step ahead and to project the relevant features in respect of hyper cube 6.
12. A simultaneous visit to set ups of hyper cubes 3, 4 and 5 would be helping to acquire deep insight about the domain fold (᳚).
13. Further exercise which would be of big help to have a chase of the set up of domain fold (᳚) would be to revisit the measuring rod of 5-space (domain fold).
14. One shall once again revisit the symbolic expression for the measuring rod of 5-space (domain fold) being of five steps synthetic set up, sequentially availing formats of domain folds of 1-space, 2-space, 3-space, 4-space and 5-space respectively.
15. A fresh visit to this set up at first step as interval (—) and second step as (□) and third step as (᳚) and fourth step (᳚) and at fifth step (᳚) would be helping to add insight about domain fold (᳚).
16. Still further one shall revisit all the 11 versions of hyper cube 5.
17. These 11 versions are the representative dimensional bodies of 11 geometries of 5-space.
18. This way, text of chapter -1 number Five and five and five space is attempting to lay foundation for 11 geometries of 5-space in terms of their respective dimensional bodies which are of the formats parallel to 11 versions of hyper cube 5.
19. It would be a very blissful exercise for upper insight of VMS & T of 5-space.
20. That one starts compiling one’s own Dictionary of VMS & T starting with the features of domain fold of hyper cube 5.
21. This dictionary shall also have a space for definitions, concepts, axiomatic statements, working postulates and end formulations.

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22. Please find enclosed the outline of the text of chapter – 2 ‘Number 5 and Five folds format’. All are requested to pool in their knowledge and experience to settle the test of chapter – 2.

06-12-2014

Dr. S. K. Kapoor, (Ved Ratan)

VMS & T TEXT BOOK CLASS 11 (5-SPACE)

Chapter – 02 Number 5 and Five fold format

2.1 Statement

Vyakata (व्यक्तः) (manifest), Avakata (अव्यक्तः) (unmanifest), Avakato-Avaktat (अव्यक्तो -अव्यक्तातः) / Sanatana (सनातनः) (eternal format), Pursha (पुरुषः) (Existence along eternal format within frames) and Aporsia (अपौरुषीयः) (existence beyond without frames), are the phases and stages of the ‘Existence Phenomenon’.

1. It may be taken by way of definition as that:
 - A. Formulation (Vyakata (व्यक्तः) (manifest),) is of the value and features of domain fold (३) of hyper cube 3.
 - B. Formulation (Avakata (अव्यक्तः) (unmanifest)) is of the value and features of domain fold (४) of hyper cube 4.
 - C. Formulation (Avakato-Avaktat (अव्यक्तो -अव्यक्तातः) / Sanatana (सनातनः) (eternal format)) is of the value and features of domain fold (५) of hyper cube 5.
 - D. Formulation (Pursha (पुरुषः) (Existence along eternal format within frames)) is of the value and features of domain fold (६) of hyper cube 6.
 - E. Formulation (Aporsia (अपौरुषीयः) (existence beyond without frames)) is of the value and features of domain fold (७) of hyper cube 7.
2. Existence Phenomenon which marks its presence in manifest form of domain folds, is of three phases and stages, designated and known as
 - (i) Sathul (स्थूल) /mundane (body) (Sharir) (शरीर)
 - (ii) Suksham सूक्ष्म/ subtle (body) (Sharir) (शरीर)
 - (iii) Karan (कारन)/ casual (body) (Sharir) (शरीर)
3. It may be taken by definition as that
 - a. Sathul (स्थूल) /mundane (body) (Sharir) (शरीर) is of the format of domain fold
 - b. Suksham सूक्ष्म/ subtle (body) (Sharir) (शरीर) is of the format of dimension fold
 - c. Karan (कारन)/ casual (body) (Sharir) (शरीर) is of the format of dimension of dimension fold.

2.2 Five folds formats

1. Five folds formats is designated as transcendence format.
2. Transcendence format (five fold format) is having one additional fold for the four fold manifestation format.

3. This additional (fifth) fold is designated as base of origin (fold)
4. First four folds are (i) dimension fold (ii) Boundary fold (iii) domain fold (iv) Origin fold
5. Such manifestation format be taken as of above first four folds. It is also designated as four fold manifestation layer or simply as (manifestation layer).
6. These four folds manifestation layer are the features of hyper cubes. Simultaneous manifesting space contents of four consecutive dimensional spaces.
7. Each hyper cube as transcendental (5-space) base (base fold) for its origin fold.
8. Hyper cube 3 as four folds manifestation layers (1, 2, 3, 4) transits and transforms into transcendence range (1, 2, 3, 4, 5).
9. Hyper cube 4 as four folds manifestation layers (2, 3, 4, 5) transits and transforms into transcendence range (2, 3, 4, 5, 6).
10. Hyper cube 5 as four folds manifestation layers (3, 4, 5, 6) transits and transforms into transcendence range (3, 4, 5, 6, 7).
11. Hyper cube 6 as four folds manifestation layers (4, 5, 6, 7) transits and transforms into transcendence range (4, 5, 6, 7, 8).
12. Hyper cube 7 as four folds manifestation layers (4, 5, 6, 7, 8) transits and transforms into transcendence range (5, 6, 7, 8, 9, 10).

2.3 Devnagri alphabet transcendental (5-space) code value

1. For the present, it be taken as axiomatic statements that
 - a. VMS & T is the Discipline of 'Sunlight'.
 - b. The alphabet of this Discipline is the Devnagri alphabet.
 - c. Devnagri alphabet is of format, values and features which lead to transcendental (5-space) code values for each of its letters.

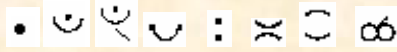
The transcendental (5-space) code values of Devnagri alphabet letters comes to be:

Devnagri alphabet format Transcendental code values format

1	2	3	4	5	6	7	8	9
अ	इ	उ	ऋ	ॠ	ए	ओ	ऐ	औ
1	2	3	4	5				
क	ख	ग	घ	ङ				
2	3	4	5	6				
च	छ	ज	झ	ञ				
3	4	5	6	7				
ट	ठ	ड	ढ	ण				
4	5	6	7	8				
त	थ	द	ध	न				
5	6	7	8	9				
प	फ	ब	भ	म				
1	3	5	7					
य	व	र	ल					
2	3	6	9					

श ष स ह

9 10 11 12 13 14 15 16



2.4 Chase along 5 x 5 format

1. Classical systems read uptill unsolvability of 5th degree equation and this is the reach limit point of classical systems. Vedic systems provide a take off. This take off is along 5 x 5 format. This format works out as five rows and five columns of first five transcendence ranges:
 - a. (1, 2, 3, 4, 5) uptill base of hyper cube 3 as first row / first column steps
 - b. (2, 3, 4, 5, 6) uptill base of hyper cube 4 as second row / second column steps
 - c. (3, 4, 5, 6, 7) uptill base of hyper cube 5 as third row / third column steps
 - d. (4, 5, 6, 7, 8) uptill base of hyper cube 6 as fourth row / fourth column steps
 - e. (5, 6, 7, 8, 9) uptill base of hyper cube 7 as fifth row / fifth column steps
2. This transcendence ranges values 5 x 5 format runs parallel to transcendental (5-space) code values of 5 x 5 varga consonants of Devagatri alphabets:

Devnagri alphabet 5 x 5 varga consonants	Transcendence ranges
क ख ग घ ङ	1 2 3 4 5
च छ ज झ ञ	2 3 4 5 6
ट ठ ड ढ ण	3 4 5 6, 7
त थ द ध न	4 5 6, 7, 8
प फ ब भ म	5 6, 7, 8, 9

2.5 Transition from four fold manifestation layer

1. The Transition from four fold manifestation layer to five fold transcendence range is the transition from the format of domain fold (ॐ) to format of domain fold (ॐ)
2. It is this attainment which is achieved by the Discipline of VMS & T of 5-space.

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News and Views
Vedanga Chapter
of Narada Puran

Narad Puran is of seventh placement of 18 purans range. The Vedanga chapters of Narad Puran preserve the Vedic Systems Values which deserve to comprehended, appreciated and imbibe to acquire proper in sight of Vedic Systems.