

## ORGANIZATION FORMAT OF GANITA SUTRAS

### Step – 35: Ganita Sutras – 5 and 6

Ganita Sutra – 5 शून्यं साम्यसमुच्चये ।

Ganita Sutra – 6 (आनुरूप्ये) शून्यमन्यत् ।

1. Ganita Sutras – 5 and 6 deserve to be taken up simultaneously, firstly as that artifice 4 is the first composite number and parallel to it 4-space is of a spatial order.
2. Further as that spatial order itself accepts 0-space in the role of its dimension / dimension of dimension of creator's space (4-space).
3. Still further as that square as representative regular body of 2-space accepts its boundary constituted by points and lines, both of which being devoid of area and as such are a pair of zeros (areas).
4. Ganita Sutra-5 is a composition of two words namely (i) शून्यं and (ii) साम्यसमुच्चये
5. The second word namely साम्यसमुच्चये as well has sub compositions (a) साम्य and (b) समुच्चये.
6. With it the working rule in terms of simple English rendering of the text of Ganita Sutra-5 shall be in terms of the meanings of these three words namely (i) शून्यं (ii) साम्य and (iii) समुच्चये.
7. The basic meaning value of word 'शून्यं' is 'zero', while the value meaning of the word 'साम्य' is 'parallel / equal' and the value meaning of the word 'समुच्चये' is 'equal high rising'.
8. The text of Ganita Sutra-6 as well avails three basic words namely (i) '(आनुरूप्ये)' (ii) शून्यम् । and (ii) अन्यत् ।

9. The value meanings of these three basic words are  
(i) ‘(आनुरूप्ये)’ / similarly / likewise of features of symmetry / proportionately.  
(ii) शून्यम् । / zero  
(iii) अन्यत् । / follows / reached at.
10. Both these Sutras, as such are focusing upon ‘शून्यम् ।’ / zero.
11. This pair of Sutras, that way focus upon two different features of ‘शून्यम् । / zero’.
12. Broad values of the feature of zero focused by the text of Ganita Sutra-5 is that ‘zero’ / ‘static state’ for the body thrown upward is simultaneously attained by parallel upward throw (s).
13. The focus of Ganita Sutra- 6 of the features of zero is upon the likewise attainment of zero value for line in 2-space as for a point on a line; and so on for surface within or at the boundary of 3-space, solids within and upon the boundary of hyper cube 4 etc. etc.
14. For the range of pure and applied values of the working rules of Ganita Sutras – 5 & 6, one is to chase further the organization formats of this pair of Ganita Sutras.
15. Further, there would be need to chase the artifices pair (5, 6) and parallel to it hyper cubes pair (hyper cube 5 and hyper cube 6) and finally the pair of spaces (5-space, 6-space).
16. The features range of hyper cubes 5 and 6, in effect would be better appreciated by having chase of hyper cube 5 as of the features of seat of hyper cube 4 while hyper cube 6 likewise being of the features of seat of hyper cube 5.
17. With it triple hyper cubes (hyper cube 4, hyper cube 5, hyper cube 6) become the basic triple to be chased.
18. The chase of organization features of the text of Ganita Sutra – 5 & 6, like all other Sutras is to be in terms of the artifices values associated with the individual alphabet letters as  
i. Transcendental value index  
ii. Manifestation code (Vedic Mathematics code)

- iii. Transcendence from one manifestation layer to the next manifestation layer
- iv. Numbers table of Gitika pad of Aryabhataya

19. The first three systems of association of artifices to alphabet letters are as follows:

Transcendental value index

Vowels

1    2    3    4    5    6    7    8    9

Varga consonants (5x 5)

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

Antstha consonants and

1    3    5    7

Ushma letters

2    3    6    9

Yama letters

9    10    11    12    13    14    15    16

20. Vedic code

Varga consonants (5 x 5)

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

Antstha and Ushmana letters

1	2	3	4
5	6	7	8

21. Transcendence from one manifestation to next manifestation layer.

Varga consonants (5 x 5)

2	3	4	5	6
6	7	8	9	10
10,	11	12	13	14
14	15	16	17	18
18	19	20	21	22

22. The Ank Talika of Gitika pad of Aryabhataya associates artifices values to consonants of alphabet as follows:

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
30	40	50	60	
70	80	90	100	

23. It would be a blissful exercise to reach at the artifices values for the text of Ganita Sutras 5 and 6 as well as for their individual words (of composition).

24. One may have a pause here and chase the organization features of the text of Ganita Sutras 5 and 6 in the light of different artifices values systems summed up above.

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