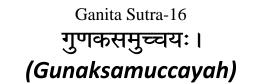**ORGANIZATION FORMAT OF GANITA SUTRAS**

Step – 70 : Ganita Sutras 15 & 16

Ganita Sutra-15

गुणितसमुच्चयः ।
(Gunitasamuccayah)

SUTRA - XV गुणितसमुच्चयः

01	02	03	04	05	06	07	08	09	10
ग्	उ	ण्	इ	त्	अ	स्	अ	म्	उ
11	12	13	14	15	16				
च्	च	अ	य्	अ	:				

Total Letters	Vowels	Nasels	Consonents
16	7	1	8

Ganita Sutra-16

गुणकसमुच्चयः ।
(Gunaksamuccayah)

SUTRA - XVI गुणकसमुच्चयः

01	02	03	04	05	06	07	08	09	10
ग्	उ	ण्	अ	क्	अ	स्	अ	म्	उ
11	12	13	14	15	16				
च्	च	अ	य्	अ	:				

Total Letters	Vowels	Nasels	Consonents
16	7	1	8

1. Two basic conceptual terms of text of Ganita Sutra 15 are 'गुणित' and 'समुच्चयः'

2. Likewise two basic conceptual terms of text of Ganita Sutra-16 are

   (i)   गुणक
   (ii) समुच्चयः

3. With it, the conceptual terms (i) **गुणित** (ii) **गुणक** shall be helping us would help us reach at distinguishing features of the organization format of Ganita Sutra-15 and 16.

4. The formulation '**गुणित**' has sub formulations '**गुण्**' and '**इत्**'.

5. Likewise the formulation '**गुणक**' admits sub formulations '**गुण्**' and '**अक**'.

6. The formulation '**इत्**' means 'to remove'.

7. The formulation '**अक**', means to lead to creator.

8. The formulation '**गुण**' means 'properties / features'.

9. With it the formulation '**गुणित**' would accept simple English rendering 'to remove properties', which in other word means to bring the points of the set free of the structural features attached to the points (of a set / domain / universe).

10. Likewise the simple English rendering for the formulation '**गुणक**' may be 'to creator space'.

11. This in other word would mean that to associate creator's space properties / 4-space properties to the points (of a structural sets' / sets with structural operators).

12. The formulation Sammuchaya would admit simple English rendering as 'accumulation'.

13. This as such shall provide simple English rendering for the text of Ganita Sutra -15 'गुणितसमुच्चयः ।' as to remove features 'of point of a set' and to accumulate them as another set.

14. Likewise the simple English rendering for the text of Ganita Sutra 16 may be 'गुणकसमुच्चयः ।'.

15. The structured point shall be re-featured as along the format of a creator space, the spatial order space.

16. Within discipline of Arithmetic, the Arithmetic operation 'addition' and multiplication shall be the working rules for the applied values for Ganita Sutra-15 and 16 respectively.

17. Here it would be relevant to note that the numbers structured in terms of the working rule of Ganita Sutra-1 'one more than one', shall be structuring this number line as of a conical format as much as that the vertices of the cone as of value zero, shall be sequentially expanding its central width parallel to values 1, 2, 3, ----.

18. However with stripping of the structural features of values 1, 2, 3, ---- from their format 1^1, 2^1, 3^1, ---- the attainment would be of equal values affine format set up of a numbers line 1^0, 2^0, 3^0, 4^0, -- which would mean the attainment (1, 1, 1, ---).

19. On the other hand the feature of multiplication accepting the structural rule of Ganita Sutra-1 (one more than before) degree / index value shall be structuring (1^0, 1^1, 1^2, 1^3,--), which shall be permitting re-organization as 1^0 x 1^0, 1^0 x 1^1, 1^1 x 1^1, 1^1 x 1^2, ---1^r x 1^{m-r} .

20. This organization shall be permitting spatial format for every member / number of the above sequence as first part (A^r) permitting expression along first axis while the second part (1^{m-r}) permitting expression along the second axis of the spatial order of creator's space (4-space).

21. One may have a pause here and permit the transcending mind to continuously remain in prolonged deep sitting of trans and to be face to

face with the features of organization format of Ganita Sutra 15 and its addition operation parallel with the transcendental values association with 5 x 5 varga consonant as follows

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

22. Further one shall again permit the transcending mind to continuously prolonged deep sitting of trans to be face to face with the features of organization format of Ganita Sutra – 16 parallel to its multiplication operation with the dimensional synthesis values association with 5 x 5 varga consonants as follows:

1	3	6	10	15	with summation value 35
2	4	6	8	10	with summation value 30
3	5	6	6	5	with summation value 25
4	5	6	4	0	with summation value 20
5	7	6	2	-5	with summation value 15

23. One may have a pause here and have a fresh look at the set ups of above pair of values association with 5 x 5 varga consonants and to be face to face with the emerging feature thereof as that summation values sequential ranges in respect of them being of opposite orientations, viz. (35, 30, 25, 20, 15) and (15, 20, 25, 30, 35),

24. This as such shall be bringing to focus the inherent feature of a reversal process which shall be taking back to the starting point of Ganita Sutra-1, and with it the recycling organization feature of Ganita Sutras would come into play.

25. Further it would be relevant to note that Ganita Sutras 1, 8, 9, 15 and 16 are all availing 16 letters each for their texts.

26. This shall be bringing into focus the feature that 16 letters range is being availed 5 times by the Ganita Sutras.

27. Further as that 16 x 5 = 80 is equal to 8 x 10 and same is parallel to 80 cubes enveloping all the ten creative boundary (4-space) components of the transcendental domain (5-space).

28. It would be blissful to be through the following NVF equation
NVF (Creator) = 80

29. Further as that NVF (Creator) = NVF (Line) + NVF (Line).

30. Still further as that NVF (Creator) = NVF (Mind Line).

31. Still further as that NVF (Creation) = 85 = NVF (Creator 5)

32. The spatial order of creator's space and features of artifice 2 as that $2 + 2 = 2 \times 2 = (-2) \times (-2)$ and further parallel to it being the features of artifice 0 as that $0 + 0 = 0 \times 0 = (-0) \times (-0)$.

33. One may have a pause here and permit the transcending mind to be face to face with this simultaneous super imposition of addition and multiplication operation as well as of super imposition of positive and negative orientations.

34. These features together will help comprehend the recycling feature of the systems of Ganita Sutras.

35. Further it also would help comprehend the features of transition from Ganita Sutras 15 & 16 to Ganita Upsutra 13 sequentially taking back to Ganita Upsutra 1and therefrom to Ganita Sutra 1 itself and thereby the circle being complete.

36. With it the reach for Ganita Upsutras may better be from Ganita Upsutra 13 to Ganita Upsutra 1.

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