ORGANIZATION FORMAT OF GANITA SUTRAS

Step – 03 : Quadruple (29, 28, 27, 26)

1. Step 01: (16, 13, pair of artifices) is parallel to the organization feature of text of Ganita Sutras and Upsutras being of range of 16 Sutras and 13 Upsutras respectively.
2. Step 02: [(16, 13), (16, 10)], a pair of pairs of artifices, are the pair of sequential steps.
3. The first sequential step is the pair (16, 13) with summation value (16+13 = 29).
4. The second sequential step is the pair (16, 10) with summation value (16+10 = 26).
5. This pair of values 29 and 26, as such are the end values of the quadruple of artifices (29, 28, 27, 26).
   Here it may be relevant to note that this pair of values 16 and 10 are parallel to the values of ranges of number of letters being availed by the texts of Ganita Sutra-1 and Ganita Upsutra-1 respectively.
6. One feature of this quadruple is that its outer and inner pairs are of equal summation value, i.e. $55 = 29 + 26 = 28 + 27$.
7. Such quadruples of four consecutive whole numbers [(n+3), (n+2), (n+1), n] for all whole numbers values of n are designated as manifestation layers quadruples or simply manifestation values quadruples and in short quadruples when otherwise the context is obvious.
8. First six quadruples of values n=1 to 6 are (1, 2, 3, 4), (2, 3, 4, 5), (3, 4, 5, 6), (4, 5, 6, 7), (5, 6, 7, 8), with quadruples artifices summation values 10, 14, 18, 22, 26 and 30 are of basic interest as geometric set up of cube is of 30 components namely 8 corner points, 12 edges, 6 surfaces, 1 volumme and 3 dimensions.
9. Vedic systems accept two fold established processing processes namely Sankhiya Nishtha and Yoga Nishtha.

10. Sankhiya Nishtha, on its ultimate analysis avails artifices of numbers presuming the existence of geometric formats while Yoga Nishtha ultimately avails geometric formats of dimensional set ups presuming the existence of artifices of numbers.

11. For the present, it be taken as definition as that artifices of numbers and dimensional spaces set ups features run parallel to each other.

12. With it artifices of n and n space would run parallel to each other.

13. The quadruple $(n+3, n+2, n+1, n)$ and quadruple of dimensional spaces $(n+3)$ space, $(n+2)$ space, $(n+1)$ space, (n) space, would interchangeably run parallel to each other for features of their set ups.

14. Further, for the present it also be taken by way of definition as that quadruple of artifices and parallel quadruple of dimensional spaces are four folds manifesting together.

15. The artifice $(n+3)$ and parallel $(n+3)$ space to be designated as origin fold.

16. The artifice $(n+2)$ and parallel $(n+2)$ space to be designated as domain fold.

17. The artifice $(n+1)$ and parallel $(n+1)$ space to be designated as boundary fold.

18. The artifice (n) and parallel (n) space to be designated as dimension fold.

19. Illustratively for $n = 3$, 3-space shall be playing the role of dimension fold, 4-space shall be playing the role of boundary fold, 5-space shall be playing the role of domain fold and 6-space shall be playing the role of origin fold.

20. For $n = 1$, the quadruple $(1, 2, 3, 4)$ / (1-space, 2-space, 3-space, 4-space) with 1-space as dimension fold, 2-space as boundary fold, 3-space as domain fold and 4-space as origin fold shall be manifesting together as 'cube', the representative regular body of 3-space.

21. In the context, for the present, it also be taken by way of definition as that 'cube' is hyper cube 3 and it is a four-fold manifestation layer of linear dimensional order, spatial boundary, solid domain and hyper solid – 4 origin.
    Here it would be relevant to mention that domain fold of hyper cube 3 manifests the features of 3-space content.

22. In general n space content manifests domain fold of hyper cube – n.

23. One may have a pause and permit the transcending mind to have a fresh look at the features of sequence of hyper cubes (hyper cube 1, hyper cube 2, hyper cube 3, ----).

24. Hyper cube n would be the representative regular body of n space as n space content shall be manifesting as domain fold of hyper cube n.

25. Here hyper cube 1 would be of the features of the set up of 'interval', our well known geometric body of 1-space.

26. Hyper cube 2 would be of the features of the set up of 'square', our well known geometric body of 2-space.

27. Hyper cube 3 would be of the features of the set up of 'cube', our well known geometric body of 3-space.

28. Hyper cube 4 would be of the features of the set up of representative regular body of 4-space.

29. Hyper cube 5 and 6 shall be the representative regular bodies of 5-space and 6-space respectively.

30. The manifestation layer 28 / hyper cube 28 accepts 26 space in role of dimension.

31. Here it would be relevant to note that artifice 26 admits re-organization as 5 + 6 + 7 + 8.

32. This re-organization of 26 = 5 + 6 + 7 + 8 would lead to quadruple (5, 6, 7, 8) / hyper cube 7.

33. One may have a pause here and permit the transcending mind to be face to face with the features of the set ups where each of the four folds of the manifestation layer is of the feature of the manifestation layer itself.

34. It shall be leading to 4 x 4 matrix format.

n-2	n-1	n	n+1
n-1	n	n+1	n+2
n	n+1	n+2	n+3
n+1	n+2	n+3	n+4

35. It would be relevant to note that each row and each column of above format is of the features of manifestation layer quadruple.

36. As such it would amount to having transition and transformation from linear format of a manifestation layer quadruple (n-2, n-1, n, n+1) into a spatial set up of the format of 4 x 4 grid.

37. In particular, n = 28 shall be leading us to the following set up

26	27	28	29
27	28	29	30
28	29	30	31

38. One may have a pause here and permit the transcending mind to be face to face of the feature of this set up which accepts a pair of roles for the manifestation layer (26, 27, 28, 29) for the pair of axes of spatial order format.

39. It would be relevant to note that this transition and transformation is from a set up of a single axis to a set up of a pair of axes.

40. It would amount to a shift from a line to a plane.

41. It would a shift from a line to a bended line permissible within plane.

42. It also would amount to a shift from a linear unit to a pair of linear units.

43. It also would be a shift from an interval of a single unit to the synthetics set up of an interval of a pair of units.

44. That way, it would amount to a shift from 1 as 1 to 2 as 1.

45. The reverse orientation chase would amount to a shift from 2 as 1 to 1 as 1.

46. In a way it shall be bringing into play '1/2 unit'.

47. This, this way shall be providing a shift from artifice 3 / 3 dimensional frame to a pair of three dimensional frame of half dimensions.

48. It in a way shall be providing a transition and transformation from artifice 3 to artifice 3/2.

49. With it, parallel to the sequential steps (16, 16-3), (16, 16-3-3) would follow the sequential steps (16, 16-3/2), (16, 16-3-3/2).

50. The shift from artifice 3 to artifice 3/2 shall be bringing into play features which would help workout the split for continuity into a set of discrete.

51. The organization of $16 = 4 + 4 + 4 + 4 = (4 -3/2) + (4-1/2) + (4 +1/2) + (4+3/2)$ would lead to re-organization of the quadruple (4, 4, 4, 4) into quadruple (4 -3/2, 4-1/2, 4+1/2, 4+3/2).

52. One may have a pause here and permit the transcending mind to chase the features of above transition and transformation of the quadruple (4, 4, 4, 4) into quadruple (4 -3/2, 4-1/2, 4+1/2, 4+3/2) as a transition and transformation from the split of domain as of four quarters into a manifestation layer of four folds (4 -3/2, 4-1/2, 4+1/2, 4+3/2).

53. With this feature of the system chasing domain as a manifestation layer is one of the basic features of the organization format of Ganita Sutras.

54. Ganita Sutras being the complete Vedic scripture, it inherently avails sole syllable Om as source reservoir and inherently acquires the processing feature of manifestation layer format for dimensional domains.

55. Ganita Sutras inherently acquire above feature of chase of domain as manifestation layer of hyper cube format.

Note :- Step 4 is also scheduled for today.

Dr. S.K. Kapoor

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