

**Sri – Om**  
**VEDIC MATHEMATICS AWARENESS YEAR**

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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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**UPNISHADS**

**FOCUS**

**VIII**

**Mandukyo Upnishad**

1. Essence of Vedas is Vedanta (end values of Vedas).
2. Upnishads, Braham Sutra and Srimad Bhagwad Geeta are the *Vedantatri* (three fold transcendence format for the end values of Vedas).
3. The transcendence format is of three folds which takes from domain to dimension and then from dimension to dimension of dimension.
4. Vedic values manifests as transcendental (5-space) domains as Upnishads.
5. The transcendence of Upnishads take to Braham Sutra. And further transcendence from Braham Sutra takes to Srimad Bhagwad Geeta.
6. Parallely is lively the virtue of Srimad Durga Saptasati.
7. The organization format of values of Srimad Bhagwad Geeta is of range of 700 shalokas and virtues of Srimad Durga Saptasati are of the range of 700 shalokas (including Ardh shalokas and Uvachas).
8. Fifth chapter of Srimad Bhagwad Geeta and thirteenth chapter of Srimad Durga Saptasati are of equal range of equal 29 steps (of shalokas of both scriptures).

9. Here It may be relevant to note that hyper cube 5 format as four fold manifestation layer (3, 4, 5, 6) is of summation value  $(3 + 4 + 5 + 6) = 18 = 5 + 13$ .
10. Further here it would be relevant to note that 2-space has 5 geometries range while 6-space has 13 geometries range.
11. Further it also would be relevant to note that parallel to the transcendence range (5, 3, 1) is the transcendence range (6, 4, 2), it is this feature of linear order transcendence range (5, 3, 1) and parallel to it is the spatial order transcendence range (6, 4, 2).
12. Mandukayo Upnishad is the first Upnishad of the range of Upnishad.
13. It enlightens about 'Aum' ओउम् as of four quarters of values formats (i) a अ(ii) u उ (iii) m म् and (iv) aum अ + उ + म् = ओउम् .
14.  $TCV(अ)=1$ ,  $TCV(उ)=3$  and  $TCV(म्)=9$ ,  $TCV(अ उ म्)=13$  and  $TCV(ओउम्)=16$
15. One may have a pause here and take note that artifices triple (1, 3, 9) permits re-organization as  $(3^0, 3^1, 3^2)$ .
16. Further it also would be relevant to note that artifices 13 and 16 permit re-organization as  $13 = 4 + 5 + 4$  and  $16 = 5 + 6 + 5$ .
17. One may further have a pause here and take note that artifices pair (13, 16) is parallel to 13 upsutras and 16 sutras.
18. Still further it also would be relevant to note that  $13 + 16 = 29$  also  $14 + 15 = 29$
19. The manifestation layer (13, 14, 15, 16) =  $58 = 29 + 29$ .
20. Mandukayo Upnishad also focuses upon the artifices pair (7, 19).
21. Let us have a pause here and take note that  $7 = 2 \times 3 + 1$  and  $19 = 2 \times 9 + 1$ .
22. One may further have a pause here and take note that the artifices pair (1, 3) is parallel to the dimension fold, domain format.
23. The artifices triple  $(3^0, 3^1, 3^2)$  is a pair of steps  $(3^0, 3^1)$  and  $(3^1, 3^2)$ .
24. The first step  $(3^0, 3^1)$  is parallel to the format of 1-space as dimension and 3-space as domain.
25. The second step pair  $(3^1, 3^2)$  leads to values pair (7 geometries range) of 3-space and 19 geometries range of 9-space.
26. One may further have a pause here and take note that artifice 19 is parallel to placement value 19 of the southern hemisphere.
27. Still further it also would be relevant to note that 19 steps organization (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1) is of summation value  $10 \times 10$ .
28. One shall sit comfortably and permit the transcending mind to revisit above features and to imbibe their values to comprehend and appreciate the enlightenment of mandukayo upnishad.\*

***One thousand pure and applied values  
of Ganita Sutras and Ganita Upsutras***

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- I One thousand pure and applied values**
- II Chase of organization format and features**
- III Revisit the Discipline and organization of Ganita Sutras and Upsutras with an urge to know more about its values and unfolding processes**
- IV Steps to reach at organization format of the text of Ganita Sutras and Ganita Upsutras**
- V Ganita Sutras' Mathematics of domain folds and Steps for processing features of Ganita Sutras and Ganita Upsutras**

**VI**

**Step by step chase of completeness of Ganita Sutras and Upsutras text**

1. Ganita Sutra 1 text 'एकाधिकेन पूर्वेण ।' *Ekadhiken Purvena*.
2. Parallel to this artifices range 1 to 16 is the range of Sutra 1 to Sutra 16.
3. The working rule of Ganita Sutra 1 'one more than before' is the sequential ordering rule.
4. This sequential ordering rule namely 'one more than before' is of the features of sequential progression of ascending order (आरोही क्रम).
5. With it, the completeness coverage chase emerges to be of the feature of having coverage step by step.
6. This coverage would be of the format of values sequence (0, 1, 2, 3, 4, ---).
7. The jump from '0' to '1' and likewise from '1' to '2' and so on, as such would emerge to be of steps which leave a gap in between the pair of steps.
8. This in a way, we may would make such coverage step of jumps implying availability of bridges for the gaps.
9. However the bridges themselves, as well would permit coverage by the rule of steps of values one more than before.
10. This chase for the coverage of the bridges for the gaps of first stage coverage by the rule of steps of values one more than before.
11. This, this way, will bring into ad-infinity frequencies of applicability of the rule of one more than before.
12. One may have a pause here and to revisit the above ad-infinity frequencies for the working rule of (one more than before)
13. One shall further have a pause and to take note that individual letters code values as well are of the range 1 to 16.

14. As such the above ad-infinity applicability rule (one more than before), need be specifically worked out for the gaps for the pair of values for the artifices range 1 to 16.
15. Taking this range of artifices values 1 to 16 as 16 points set up and same with fulfilling of their gaps would be leading to bridging them all making it to be a range of 16 linear units.
16. One may further have a pause here and take note that the transition and transformation from the set up of 16 points into the set up of 16 linear units, in a way shall be having extension for the set up of 16 points into a set up of 17 points.
17. Here the extended value '17' brings into the working rule of sutra 12 'शेषाप्यङ्केन चरमेण ।' / '*Sesnyankena Caramena.*' / 'The Remainder by the last digit'.
18. TCV (शेषाप्यङ्केन) = 20 and TCV (चरमेण) = 30 makes the TCV (शेषाप्यङ्केन चरमेण) = 50.
19. One may have a pause here and take note that artifice value 50 is parallel to 50 coordinates of solid order five dimensional frame for fixation of ten components boundary of transcendental (5-space) domain.
20. Artifice value 50 accepts re-organization as  $50 = 2 + 6 + 10 + 14 + 18$  which is parallel to the summation values of four fold manifestation layers of hyper cubes 1, 2, 3, 4 and 5.
21. One may have a pause here and take note that this organization, that way goes parallel to the measuring rod of 5-space / transcendental (5-space) domain.
22. One may further have a pause here and take note that the artifices pair (20, 30) is of the feature that  $30 = 20 \times 1 \frac{1}{2}$
23. This as such brings into the factor / value ( $1 \frac{1}{2}$ ).
24. One may have a pause here and take note that the value ( $1 \frac{1}{2}$ ) is the in between value of artifices pair (1, 2) and that way it becomes the midway value of the gap of values pair (1, 2).
25. One may have a pause here and take note that having fixation of the midway value of the gap of consecutive artifices values (1, 2) or ad-infinity application of the process, shall be attaining bridging of the gap
26. With it the words formulations of the text of Ganita Sutras (and upsutras) shall be leading to systems for bridging the gaps of artifices values range 1 to 16.
27. The first set of formulations which deserve to be chased for their systems are:
  - (i) गूण्
  - (ii) गण
  - (iii) गणः
  - (iv) गुण्
  - (v) गुण

- (vi) गुणः
- (vii) गणित
- (viii) गणितः
- (ix) गुणित
- (x) गुणितः
- (xi) गुणक
- (xii) गुणकः

28. These formulations avails the letters (i) 'ग्' (ii) 'अ' (iii) 'प्' (iv) 'त्' (v) 'इ' (vi) 'क्' (vii) 'ः'.
29. TCV value of this range of 7 letters comes to be the range of values '3, 1, 7, 4, 2, 1, 13'.
30. The sequential arrangement of this range of 7 values comes to be 1, 2, 3, 4, 7, 13.
31. Of these values range, amongst others one glaring feature comes to be that of artifices range 1 to 13, the artifice value 7 is of the middle placement.
32. Further as that of the artifice values range 1 to 7, artifice 4 is of the middle placement.
33. Of the artifice values range 1 to 4, there are three gaps ranges (1, 2), (2, 3), (3, 4) of these three gaps ranges, the middle gap range is (2, 3).
34. As such the ultimate focus would be upon the gap range (2, 3).
35. Also in the context it would be relevant to note that quadruple artifices (1, 2, 3, 4) are parallel to four fold manifestation layer (1, 2, 3, 4) of hyper cube 3.
36. Accordingly the chase steps for completeness coverage of Ganita Sutras takes us to format of hyper cube 3, as the starting point.