

**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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**FOCUS**

**II**

**Quadruple phases and stages of manifestation**

(व्यक्तः Vykata, अव्यक्तः Avykata, अव्यक्तोऽव्यक्तात् / सनातनः Avykato Avykatat / Sanatana and पुरुष Pursha)

- Chapter eight of Srimad Bhagwad Geeta focus upon quadruple phases and stages of manifestation format
  - व्यक्तः** Vykata,
  - अव्यक्तः** Avykata,
  - अव्यक्तोऽव्यक्तात् / सनातनः** Avykato Avykatat / Sanatana and
  - पुरुष** Pursha
- Literal meanings of these four designations of manifestations come to be:
  - व्यक्तः** Vykata means manifest expression
  - अव्यक्तः** Avykata means unmanifest expression
  - अव्यक्तोऽव्यक्तात् / सनातनः** Avykato Avykatat / Sanatana eternal base of unmanifest expression
  - पुरुष** Pursha lively features of Existence Phenomenon within human frames

3. These four folds manifestation phases expressions are of format values:

(i) **व्यक्तः** Vykata,

The manifest expression format and features are of values and virtues of Visha (**विश्व**) / Triloki (**त्रिलोकी**) / 3-space matter manifesting as solids / cube

(ii) **अव्यक्तः** Avykata,

Unmanifest expression values are of format and features of spatial order 4-space / creator's space (4-space) content of hyper cube 4 format and features

(iii) **अव्यक्तोऽव्यक्तात् / सनातनः** Avykato Avykatat / Sanatana

Eternal base of unmanifest expression is of format and features of hyper cube 5 domain of 5-space content lump`

(iv) **पुरुष** Pursha.

Lively Existence Phenomenon within Human Frame (Pursha) is of format and features of self referral (6-space) domain of hyper cube 6.

4. These four phases and stages of manifestation, that way are of format and features of hyper cube 3 (☐), hyper cube 4 (⊠), hyper cube 5 (⊡), hyper cube 6 (⊣)
5. Here it would be relevant to note that artifices quadruple (3, 4, 5, 6) is parallel to four fold manifestation layer (3, 4, 5, 6) of hyper cube 5 itself.
6. Further these value (3+4 +5 +6) = 18 is parallel to 18 yoga Disciplines of 18 chapters of Srimad Bhagwad Geeta.
7. With it one way to chase the organization of 18 chapters text of Srimad Bhagwad Geeta would be of four steps, of which first step to covers chapters 1, 2, 3. Second step to cover chapter 4, 5, 6, 7. Third step to cover chapter 8, 9, 10, 11, 12. And, Final fourth step to cover chapters 13, 14, 15, 16, 17 and 18.
8. With it shaloka 1 of chapter 4, shaloka 1 of chapter 8 and shaloka 1 of chapter 13 acquire significance of initiation of the manifestation phases and stages.
9. These four shalokas deserve to be chased for comprehension of the initiation processes of four phases and stages of manifestation being of linear, spatial, solid and hyper solid orders.
10. Likewise the last 43 shaloka of chapter 3, last 30 shaloka of chapter 7, last i.e. 20 shaloka of chapter 12 and last 78<sup>th</sup> shaloka of chapter 18 acquire additional significance being the end values of first, second, third and fourth phases and stages of manifestation.

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

श्री ॐ  
Sri-om

1. Ganita Sutras (and Ganita Upsutras) constitute a complete Discipline of Instructions
2. Being a Discipline of Vedic Systems, as such, the Text of Ganita Sutras and Ganita Upsutras avails transcendental (5-space) source reservoir of values and virtues of sole syllable Om (ॐ) and attains end values reach uptill transcendental (5-space) synonym Parnava (प्रणवः).
3. The text 16 Ganita Sutras and 13 Ganita Upsutra avail 519 letters in all. The suffix soul syllable Om (ॐ) adds value (i) and makes text range of 520 step.
4. The soul syllable Om unfolds as of 4 padas and with it the text range becomes of 523 steps.
5. The end reach value Parnava (प्रणवः) contributes eight letters range, with which the role range of Discipline Ganita Sutras and Ganita Upsutras becomes of 531 steps values.
6. Artifice value 531 avails triple artifices (5, 3, 1) parallel to the transcendence triple spaces coordination (5-space as domain, 3-space as dimension, 1-space as dimension of dimension).
7. With it, the text of Ganita Sutras and Upsutras becomes the text of transcendental (5-space) instruction values.
8. Therefore the recitation of full text of Ganita Sutras and Upsutras will create a transcendental (5-space) field for intelligence to be parallel to the flow path of transcendental (5-space) carriers.
9. Full text of ganita sutras and Upustras of whole range is being reproduced here under once again for the facility of convenient reference and recitation and for further chase.

1. ॐ एकाधिकेन पूर्वेण ।
2. निखिलं नवतश्चरमं दशतः ।
3. ऊर्ध्वतिर्यग्भ्याम् ।
4. परावर्त्य योजयेत् ।
5. शून्यं साम्यसमुच्चये ।
6. (आनुरूप्ये) शून्यमन्यत् ।
7. संकलनव्यवकलनाभ्याम् ।
8. पूरणापूरणाभ्याम् ।
9. चलनकलनाभ्याम् ।
10. यावदूनम् ।

11. व्यष्टिसमिष्टिः ।
12. शेषाण्यङ्केन चरमेण ।
13. सोपान्त्यद्वयमन्तम्
14. एकन्यूनेन पूर्वेण ।
15. गुणितसमुच्चयः ।
16. गुणकसमुच्चयः प्रणवः

13. Let us start chasing initial 1000 values of Discipline of Ganita Sutras.

Q 1. What is the total range of steps of the text of Ganita Sutras (and Upsutras)?  
A 1. '531'.

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