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Phase 7

VEDIC KNOWLEDGE SYSTEMS

Phase 7.6

Sathapatya of features of Artifices
of Numbers 'One to One Thousand'

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Abstract

Sankhiya Nishta and Yoga Nishtha are complementary and supplementary processing formats of ancient wisdom. Credit goes to Kapil Muni for formatting the Discipline of Sankhiya Darshan. Artifices of numbers and dimensional frames are accepted as parallel manifestations. Artifices of numbers range '1 to 1000' is availed for organizing knowledge of infinite (अनन्त Anant, TCV value 23) range parallel with TCV of formulation TCV (सहस्त्र Sahestra / Thousand) = 23. TCV value 23, as such is the core placement value, the values range 1 to 23 yields frequency 2^{22} for the summation value 23 of choices from this range 1 to 23. Parallel to it are 2^{22} formulations of TCV value 23. The formulation (जन्म Janam/ Birth) being of TCV value 23 the phenomenon, the enlightenment about the phenomenon of life (birth to death) and rebirth cycles is blissfully unfolding from this formulation along artifices of values range 1 to 23. From conception to birth phenomenon within (गुभगृह garabgreh / womb of mother) is also of chase steps of Vedic Mathematics, Science and Technology of artifices of numbers range '1 to 1000'. Parallel with manifestation of transcendental content flow from orb of Sun through its rays. The mathematics of rays of Sun (Surya Rashmi Ganit) is parallel with the values of 16 Ganita Sutras and 13 Ganita Upsutras. The enlightenment of Shrimad Bhagwad Geeta text of 700 shalokas is of range of 745 shalokas as is the preservation of Geeta Parinam Shaloka of Bhishma Parvah of Ur-Mahabhartam of which Shrimad Bhagwad Geeta is essence values. The text of 16 Ganita Sutras is a composition of 283 letters. The numbers range 1 to 283 yields precisely 745 factors. Here in the following write up the following tables are being drawn of Sathapatya of features of artifices of numbers 1 to 1000. Availing these features I plan to take up manifestation phenomenon of conception to birth within (गुभगृह garabgreh / womb of mother).

1. Numbers '0 to 20' formulations TCV values with Sathapatya

TCV (वेद / ved) = 20 (of ten place value system). Table 1 is of numbers (values) 0 to 10 and table 2 of numbers (values) 11 to 20.

C1 = Number, C2 = Sathapatya of C1, C3 = Formulation C4= TCV of C3, C5 = Sathapatya of C4

Table -1					Table -2				
C1	**C2**	**C3**	**C4**	**C5**	**C1**	**C2**	**C3**	**C4**	**C5**
0 as entity (1) is of cardinality 1, h ½		शून्य (zero)	18	H5	11	h3	एकादश (Eleven)	19	h5

1	h ½	एक (one)	8	D4	12	D5	द्वादश (Twelve)	25	h 6 ½
2	H1	द्वय (two)	16	D6	13	h 3½	त्रयोदश (Thirteen)	23	h6
3	h1	त्रय (Three)	8	D4	14	H4	चतुर्दश (Fourteen)	22	H6
4	D3	चतुर् (Four)	12	D5	15	h4	पञ्चदश (Fifteen)	25	h 6 ½
5	h 1½	पञ्च (Five)	15	h4	16	D6	षोडश (Sixteen	22	H6
6	H2	षट् (Six)	10	H3	17	h 4½	सप्तदश (Seventeen)	24	D8
7	h2	सप्त (Seven)	14	H4	18	H5	अष्टदश (Eighteen)	21	h 4 ½
8	D4	अष्ट (Eight)	11	h3	19	h5	नवदश (Nineteen)	27	h 7
9	h 2½	नव (Nine)	17	h 4½	20	D7	एकोनविंशतिः (Twenty)	50	H13
10	H3	दश (Ten)	10	H3					

2. Pairs of formulations of numbers values
19, 29, 39, 49, 59, 69, 79, 89 and 99

Table -3 Of first formulation					Table -4 Of second formulation			
C1	**C2**	**C3**	**C4**	**C5**	**C1**	**C3**	**C4**	**C5**
19	h5	नवदश	27	h 7	19	एकोनविंशतिः	50	H13
29	h 7 ½	नवविंशति	44	D13	29	एकोनत्रिंशत्	46	H12
39	h10	नवत्रिंशत्	33	h8 ½	39	एकोनचत्वारिंशत्	56	D16
49	h 12 ½	नवचत्वरिंशत्	39	h10	49	अष्टचत्वारिंशत्	39	h10
59	h15	नवपञ्चाशत्	40	D12	59	एकोनषष्टि	43	h11
69	h 17 ½	नवषष्टि	35	h9	69	एकों नसप्तति	52	D15
79	h20	त्रिसप्तति	27	h7	79	एकोनाशीति	36	D11
89	h 22 ½	नवाशीति	30	H8	89	एकोननवति	46	H12
99	h25	नवनवति	40	D12	99	एकोनशतम्	40	D12

3. Pairs of formulations of numbers values
100, 200, 300, 400, 500, 600, 700, 800, 900, 1000
Table -5
Of first formulation

C1	C2	C3	C4	
100	D27	शत	3+5=8	h1 +h1 ½ = D4

200	D52	द्विशत	15+3 + 5 = 23	h4 + h1 +h1 ½ = h6
300	D77	त्रिशत	7+3 + 5 = 15	h2 + h1 +h1 ½ = h4
400	D102	चतुश्शती	3+7+5 + 8 = 23	h1+h2+ +h1 ½ + D4 =h6
500	D127	पञ्चशत	6 +9 +5 + 8 =28	H2+h2 ½ + h1 +h1 ½ = D9
600	D152	षट्शत	7 +6+5 = 18	h2+H2+h1 ½ = H5
700	D177	सप्तशत	4 + 10 +3 + 5 = 22	D3+H3+ h1 +h1 ½ = H6
800	D202	अष्टशत	1+10 +3 + 5 =19	h ½ +H3 + h1 +h1 ½ = h5
900	D227	नवशत	9 + 8 +3 + 5 =25	h2 ½ + D4+ h1 +h1 ½ = h 6 ½
1000	D252	सहस्त्र	4 + 10 + 9 = 23	D3 + H3 + h2 ½ = h6

4. Table of formulation of TCV value 23

Table -6

अन्नत	23	वेत्ति	23	करणम्	23
अहंकार	23	क्षान्ति	23	वेत्ता	23
स्तप्तं	23	आस्तिक्यं	23	विरञ्चिः	23
तामसी	23	विगुणः	23	जननः	23
सौम्य	23	अनुवाक	23	प्रणवः	23
वेत्ति	23	देवी	23	प्रभाकरः	23
क्षान्ति	23	सवितुर्	23	कुमुदः	23
आस्तिक्यं	23	ह य व र ट	23	योगपारः	23
विगुणः	23	घढ़ ध षू	23	पुलस्त्यः	23
जन्म	23	केन्द्र	23	सुप्रतीकः	23
सहस्त्र	23	भार्गव	23	नभस्यः	23
नक्षत्र	23	चेतना	23	आम्नायः	23
पर्जन्य	23	क्षान्ति	23	दण्डी	23
सततं	23	सहस्त्र	23	दिवाकरः	23
थ्वभाग	23	अनुवाक	23	अनन्तः	23
छेहि	23	शम्भु	23	अनामयः	23
वेत्ति	23	पशुपति	23	दुर्जेयः	23
ऊर्ध्व	23	सौम्यः	23	हंसः	23
अनुवाक	23	अजातशत्रुः	23	सत्यकीर्तिः	23
पर्जन्य	23	अमृताशः	23	अपराजितः	23
सततं	23	पारिजातः	23	कालपक्षः	23
विभाग	23	परावरः	23	बुद्धि	23
देहि	23	गुणराशिः	23	सामरस	23
वेत्ति	23	तरस्वी	23	विकरणं	23
ऊर्ध्व	23	अनियमः	23	विकरणं	23
अहंकार	23	सर्वादिः	23	बुद्धि	23
संस्कार	23	तीर्थदः	23	विकरणं	23
स्तप्तं	23	गहनः	23		
तामसी	23				
सौम्य	23				

5. Table of square values uptill one thousand
C1 = Number, C2 = Square value, C3 = Sathapatya

Table -7

C1	C2	C3
1	1	h ½
2	4	D3
3	9	h 2 ½
4	16	D6
5	25	h 6 ½
6	36	D11
7	49	h 12 ½
8	64	D 18
9	81	h 20
10	100	D 27
11	121	h 30 ½
12	144	D38
13	169	h 42 ½
14	196	D 51
15	225	h 56 ½
16	256	D66
17	289	h 72 ½
18	324	D83
19	361	h 90 ½
20	400	D102
21	441	h 110 ½
22	484	D123
23	529	h 132 ½
24	576	D 146
25	625	h 156 ½
26	676	D 171
27	729	h 182 ½
28	784	D 198
29	841	h 210 ½
30	900	D 227
31	961	h 240 ½

6. Table of power 3 (cubic) and higher power values uptill one thousand
C1 = Number, C2 = cubic value, C3 = Sathapatya

Table -8 of powers 3 onwards uptill 1000

Power 3	Power 4	Power 6	Power 8	Power 10 onwards
1 — 1	1 — 1	1 — 1	1 — 1	1 — 1
2 — 8	2 — 16	2 — 64	2 — 256	
3 — 27	3 — 81	3 — 729		
4 — 64	4 — 256		**Power 9**	
5 — 125	5 — 625	**Power 7**	1 — 1	
6 — 216		1 — 1	2 — 512	
7 — 343	**Power 5**	2 — 128		
8 — 512	1 — 1			
9 — 729	2 — 32			
10 — 1000	3 — 243			

7. Table of primes uptill 1000

Table -9

S. No	Range	Number of Primes	Total	Grand Total
1	001-100	2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53	25	25

SN	Range	Primes	Count	Cumulative
		59 61 67 71 73 79 83 89 97		
2	101-200	101 103 107 109 113 127 131 137 139 149 151 157 163 167 173 179 181 191 193 197 199	21	46
3	201-300	211 223 227 229 233 239 241 251 257 263 269 271 277 281 283 293	16	62
4	301-400	307 311 313 317 331 337 347 349 353 359 367 373 379 383 389 397	16	78
5	401-500	401 409 419 421 431 433 439 443 449 457 461 463 467 479 487 491 499	17	95
6	501-600	503 509 521 523 541 547 557 563 569 571 577 587 593 599	14	109
7	601-700	601 607 613 617 619 631 641 643 647 653 659 661 673 677 683 691	16	125
8	701-800	701 709 719 727 733 739 743 751 757 761 769 773 787 797	14	139
9	801-900	809 811 821 823 827 829 839 853 857 859 863 877 881 883 887	15	154
10	901-1000	907 911 919 929 937 941 947 953 967 971 977 983 991 997	14	168

8. Table of factors of values ranges uptill one thousand

Table -10

SN	Range	Factors
1	1-25	48
2	26-50	109
3	51-75	172
4	76-100	240
5	100-125	304
6	126-150	374
7	151-175	442
8	176-200	513
9	201-225	583
10	226-250	653
11	251-275	725
12	276-300	797
13	301-325	869
14	326-350	938
14a	1-371	**998**
14b	1-372	**1002**
15	351-375	**1010**
16	376-400	1085
17	401-425	1155
18	426-450	1229

19	451-475	1298	27	651-675	1895	35	851-875	2497
20	476-500	1374	28	676-700	1968	36	876-900	2575
21	501-525	1449	29	701-725	2042	37	901-925	2646
22	526-550	1522	30	726-750	2121	38	926-950	2719
23	551-575	1593	31	751-775	2195	39	951-975	2795
24	576-600	1672	32	776-800	2272	40	976-1000	2871
25	601-625	1745	33	801-825	2345			
26	626-650	1821	34	826-850	2422			

9. Table of inner folds of number values factors

Number values ranges 1-1, 1-2, 1-3, 1-4 are without any predecessor as factors of range 1-1 is 1 (one), of 1-2 is 2 (two), of 1-3 is 3 (three). As such numbers values uptill 4 is not having any previous numbers values range of factors 4, while number values range 1-4 is of factors 5 and as such this values range 1 to 4 is having inner folds parallel with the sequential factors. Illustratively, number values range 1 to 4 is of 5 (five) factors, numbers values range 1 to 5 is of 6 (six) factors and as such. This five factors range is the inner fold of values range 1 to 4. It is being expressed hereunder as starting with 4 (four) means starting with range 1 to 4. The first inner fold is 5 (values range 1 to 5). This will sequentially take us to the inner folds of value range 1 to 4, as of steps 4, 5, 6, 8, 12, 20, 37, 177, 449, 1224. The value 1224 is beyond value 1000, as such this value range uptill 1000 is of 9 steps and as such is of eight inner folds. The table below enumerates it as first range of inner folds and the second range of inner folds begins with values range 1 to 7.

<p align="center">Table -11</p>

SN	Value range	Inner folds
1	1-4	4, 5, 6, 8, 12, 20, 37, 77, 177, 449
2	1-7	7, 9, 14, 23, 42, 89, 208, 535,
3	1-10	10, 16, 29, 57, 127, 309, 821
4	1-11	11, 17, 30, 60, 134, 330, 883
5	1-13	13, 21, 39, 81, 190, 484
6	1-15	15, 25, 48, 104, 249, 649
7	1-18	18, 33, 68, 155, 387
8	1-19	19, 34, 70, 160, 402
9	1-22	22, 41, 86, 201, 515
10	1-24	24, 46, 98, 233, 602
11	1-26	26, 50, 109, 261, 687
12	1-27	27, 53, 115, 277, 730

13	1-28	28, 56, 125, 304, 808		34	65	65, 148, 369, 993
14	1-31	31, 61, 135, 334, 892		35	67	67, 152, 379
15	1-32	32, 66, 151, 375		36	69	69, 157, 392
16	1-35	35, 72, 166, 418		37	70	70, 160, 402
17	1-36	36, 76, 175, 442		38	71	71, 161, 404
18	1-38	38, 79, 181, 458		39	73	73, 167, 419
19	1-40	40, 85, 199, 508		40	74	74, 169, 426
20	1-43	43, 90, 212, 545		41	75	75, 172, 435
21	1-44	44, 93, 219, 563		42	78	78, 180, 457
22	1-45	45, 96, 229, 591		43	80	80, 186, 472
23	1-47	47, 99, 236, 611		44	82	82, 192, 492
24	1-49	49, 106, 254, 663		45	83	83, 193, 493
25	1-51	51, 111, 266, 700		46	84	84, 197, 503
26	1-52	52, 114, 275, 725		47	87	87, 203, 519
27	1-54	54, 119, 287, 756		48	88	88, 207, 530
28	1-55	55, 121, 294, 778		49	91	91, 214, 549
29	1-58	58, 129, 318, 844		50	92	92, 217, 559
30	1-59	59, 130, 321, 855		51	94	94, 221, 569
31	1-62	62, 137, 339, 906		52	95	95, 223, 573
32	63	63, 140, 347, 929		53	97	97, 230, 594
33	64	64, 146, 363, 976		54	100	100, 240, 623
				55	101	101, 241, 624
				56	102	102, 244, 635
				57	103	103, 245, 638
				58	105	105, 252, 659
				59	107	107, 255, 666
				60	108	108, 260, 684
				61	110	110, 264, 695
				62	112	112, 271, 712
				63	113	113, 272, 717
				64	116	116, 280, 740
				65	**117**	**117, 283, 745**
				66	118	118, 285, 751
				67	120	120, 292, 773
				68	122	122, 296, 784
				69	123	123, 298, 790
				70	124	124, 301, 799
				71	126	126, 308, 819
				72	128	128, 316, 840
				73	131	131, 322, 858
				74	132	132, 326, 871

75	133	133, 328, 877		117	198	198, 507
76	136	136, 338, 904		118	200	200, 513
77	138	138, 342, 916		119	202	202, 517
78	139	139, 343, 919		120	204	204, 523
79	141	141, 349, 934		121	205	205, 525
80	142	142, 351, 942		122	206	206, 527
81	143	143, 353, 949		123	209	209, 537
82	144	144, 359, 963		124	210	210, 541
83	145	145, 361, 971		125	211	211, 542
84	147	147, 366, 985		126	213	213, 547
85	149	149, 370, 996		127	215	215, 551
86	150	150, 374		128	216	216, 557
87	153	153, 382		129	218	218, 561
88	154	154, 385		130	220	220, 567
89	155	155, 387		131	222	222, 572
90	156	156, 391		132	224	224, 579
91	158	158, 394		133	225	225, 583
92	159	159, 396		134	226	226, 585
93	162	162, 409		135	227	227, 586
94	163	163, 410		136	228	228, 590
95	164	164, 413		137	231	231, 597
96	165	165, 416		138	232	232, 601
97	168	168, 424		139	234	234, 606
98	170	170, 429		140	235	235, 608
99	171	171, 432		141	237	237, 613
100	173	173, 436		142	238	238, 616
101	174	174, 439		143	239	239, 617
102	176	176, 447		144	242	242, 627
103	178	178, 451		145	243	243, 632
104	179	179, 452		146	246	246, 641
105	182	182, 461		147	247	247, 643
106	183	183, 463		148	248	248, 647
107	184	184, 467		149	250	250, 653
108	185	185, 469		150	251	251, 654
109	187	187, 474		151	253	253, 661
110	188	188, 477		152	256	256, 674
111	189	189, 481		153	257	257, 675
112	191	191, 485		154	258	258, 678
113	194	194, 495		155	259	259, 680
114	195	195, 498		156	262	262, 689
115	196	196, 502		157	263	263, 690
116	197	197, 503		158	265	265, 697

159	267	267, 702	194	319	319, 846
160	268	268, 705	195	320	320, 853
161	269	269, 706	196	322	322, 858
162	270	270, 711	197	323	323, 860
163	273	273, 720	198	324	324, 866
164	274	274, 722	199	325	325, 869
165	276	276, 729	200	327	327, 873
166	278	278, 732	201	329	329, 879
167	279	279, 735	202	331	331, 884
168	281	281, 741	203	332	332, 887
169	282	282, 744	204	333	333, 890
170	284	284, 748	205	335	335, 894
171	286	286, 754	206	336	336, 900
172	288	288, 763	207	337	337, 901
173	289	289, 765	208	340	340, 910
174	290	290, 768	209	341	341, 912
175	291	291, 770	210	344	344, 923
176	293	293, 774	211	345	345, 926
177	295	295, 780	212	346	346, 928
178	297	297, 788	213	348	348, 933
179	299	299, 792	214	350	350, 938
180	300	300, 797	215	352	352, 948
181	302	302, 801	216	354	354, 952
182	303	303, 803	217	355	355, 954
183	305	305, 810	218	356	356, 957
184	306	306, 814	219	357	357, 960
185	307	307, 815	220	358	358, 962
186	309	309, 821	221	360	360, 969
187	310	310, 824	222	362	362, 973
188	311	311, 825	223	364	364, 980
189	312	312, 830	224	365	365, 982
190	313	313, 831	225	367	367, 986
191	314	314, 833	226	368	368, 991
192	315	315, 837	227	371	371, 998
193	317	317, 841	228	372	372, 1002

10. Table of inner folds of number values of eight directional frame
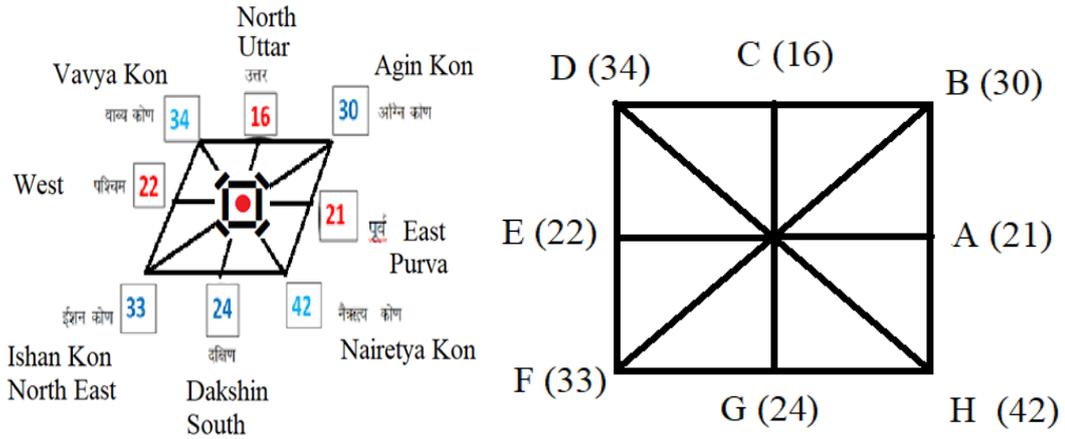
Table -12

SN	Number value	Range of folds	Inner folds
1	16, Uttar / North	10, **16**, 29, 57, 127, 309, 821	**16,** 29, 57, 127, 309, 821 Five inner folds 29, 57, 127, 309, 821
2	30, Agni Kon	11, 17, **30**, 60, 134, 330, 883	**30,** 60, 134, 330, 883 Four inner folds 60, 134, 330, 883
3	21, East / Purva	13, **21**, 39, 81, 190, 484	**21,** 39, 81, 190, 484 Four inner folds 39, 81, 190, 484
4	42, Nairetya Kon	7, 9, 14, 23, **42,** 89, 208, 535,	**42,** 89, 208, 535, Three inner folds 89, 208, 535
5	24, Dakshin / South	**24,** 46, 98, 233, 602	**24,** 46, 98, 233, 602 Four inner folds 46, 98, 233, 602
6	33, Ishan Kon / North East	18, **33**, 68, 155, 387	**33,** 68, 155, 387 Three inner folds 68, 155, 387
7	22, Pachim / West	**22,** 41, 86, 201, 515	**22,** 41, 86, 201, 515 Four inner folds 41, 86, 201, 515
8	34, Vavya Kon	19, **34,** 70, 160, 402	**34,** 70, 160, 402 Three inner folds 70, 160, 402

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