

Objective type first list of 200 questions

R1=Objective type question, R2= Letter, R3 = TCV of letter, R4= Answer

Verify answers from table 1 of Devnagri alphabet, table 2 of Ganita Sutra and table 3 of Ganita Upsutra

R1	R2	R3	R4
1	अ	TCV (अ)	1
2	आ	TCV (आ)	2
3	इ	TCV (इ)	2
4	ई	TCV (ई)	4
5	उ	TCV (उ)	3
6	ऊ	TCV (ऊ)	6
7	ऋ	TCV (ऋ)	4
8	ॠ	TCV (ॠ)	5
9	ए	TCV (ए)	6
10	ओ	TCV (ओ)	7
11	ऐ	TCV (ऐ)	8
12	औ	TCV (औ)	9
13	क्	TCV (क्)	1
14	ख्	TCV (ख्)	2
15	ग्	TCV (ग्)	3
16	घ्	TCV (घ्)	4
17	ङ्	TCV (ङ्)	5
18	च्	TCV (च्)	2
19	छ्	TCV (छ्)	3
20	ज्	TCV (ज्)	4
21	झ्	TCV (झ्)	5
22	ञ्	TCV (ञ्)	6
23	ट्	TCV (ट्)	3
24	ठ्	TCV (ठ्)	4

25	ड	TCV (ड)	5
26	ढ	TCV (ढ)	6
27	ण	TCV (ण)	7
28	त्र	TCV (त्र)	4
29	थ	TCV (थ)	5
30	द	TCV (द)	6
31	ध	TCV (ध)	7
32	न	TCV (न)	8
33	प	TCV (प)	5
34	फ	TCV (फ)	6
35	ब	TCV (ब)	7
36	भ	TCV (भ)	8
37	म	TCV (म)	9
38	य	TCV (य)	1
39	र	TCV (र)	3
40	।	TCV (।)	1
41	ॆ	TCV (ॆ)	2
42	ल	TCV (ल)	5
43	व	TCV (व)	9
44	श	TCV (श)	2
45	स	TCV (स)	3
46	ष	TCV (ष)	6
47	ह	TCV (ह)	9
48	•	TCV (•)	9
49	◌̣	TCV (◌̣)	10
50	◌̣̣	TCV (◌̣̣)	11
51	◌̣̣̣	TCV (◌̣̣̣)	12

52	▪ ▪	TCV (▪)	13
53	⌒ ⌒	TCV (⌒)	14
54	⌒ ⌒	TCV (⌒)	15
55	⊙⊙	TCV (⊙⊙)	16
56	Total words of VGS – 1	2	
57	Total letters of VGS – 1	16	
58	Total syllables of VGS – 1	8	
59	Total TCV of VGS – 1	75	
60	Total words of VGS – 2	3	
61	Total letters of VGS – 2	28	
62	Total syllables of VGS – 2	12	
63	Total TCV of VGS – 2	107	
64	Total words of VGS – 3	1	
65	Total letters of VGS – 3	15	
66	Total syllables of VGS – 3	5	
67	Total TCV of VGS – 3	58	
68	Total words of VGS – 4	2	
69	Total letters of VGS – 4	17	
70	Total syllables of VGS – 4	7	
71	Total TCV of VGS – 4	52	
72	Total words of VGS – 5	2	
73	Total letters of VGS – 5	20	
74	Total syllables of VGS – 5	8	
75	Total TCV of VGS – 5	71	
76	Total words of VGS – 6	2	
77	Total letters of VGS – 6	19	
78	Total syllables of VGS – 6	8	
79	Total TCV of VGS – 6	76	
80	Total words of VGS – 7	1	
81	Total letters of VGS – 7	24	
82	Total syllables of VGS – 7	10	
83	Total TCV of VGS – 7	91	
84	Total words of VGS – 8	1	
85	Total letters of VGS – 8	16	
86	Total syllables of VGS – 8	6	
87	Total TCV of VGS – 8	68	
88	Total words of VGS – 9	1	

89	Total letters of VGS – 9	16	
90	Total syllables of VGS – 9	7	
91	Total TCV of VGS – 9	59	
92	Total words of VGS – 10	1	
93	Total letters of VGS – 10	9	
94	Total syllables of VGS – 10	4	
95	Total TCV of VGS – 10	41	
96	Total words of VGS – 11	1	
97	Total letters of VGS – 11	14	
98	Total syllables of VGS – 11	5	
99	Total TCV of VGS – 11	58	
100	Total words of VGS – 12	2	
101	Total letters of VGS – 12	20	
102	Total syllables of VGS – 12	8	
103	Total TCV of VGS – 12	79	
104	Total words of VGS – 13	1	
105	Total letters of VGS – 13	20	
106	Total syllables of VGS – 13	7	
107	Total TCV of VGS – 13	80	
108	Total words of VGS – 14	2	
109	Total letters of VGS – 14	17	
110	Total syllables of VGS – 14	8	
111	Total TCV of VGS – 14	84	
112	Total words of VGS – 15	1	
113	Total letters of VGS – 15	16	
114	Total syllables of VGS – 15	7	
115	Total TCV of VGS – 15	56	
116	Total words of VGS – 16	1	
117	Total letters of VGS – 16	16	
118	Total syllables of VGS – 16	7	
119	Total TCV of VGS – 16	55	
120	Total words of VGUS – 1	1	
121	Total letters of VGUS – 1	10	
122	Total syllables of VGUS – 1	5	
123	Total TCV of VGUS – 1	42	
124	Total words of VGUS – 2	2	
125	Total letters of VGUS – 2	18	
126	Total syllables of VGUS – 2		
127	Total TCV of VGUS – 2		
128	Total words of VGUS – 3	1	
129	Total letters of VGUS – 3		
130	Total syllables of VGUS – 3		

131	Total TCV of VGUS – 3		
132	Total words of VGUS – 4	3	
133	Total letters of VGUS – 4		
134	Total syllables of VGUS – 4		
135	Total TCV of VGUS – 4		
136	Total words of VGUS – 5	1	
137	Total letters of VGUS – 5	8	
138	Total syllables of VGUS – 5	3	
139	Total TCV of VGUS – 5	41	
140	Total words of VGUS – 6	2	
141	Total letters of VGUS – 6	18	
142	Total syllables of VGUS – 6	8	
143	Total TCV of VGUS – 6	85	
144	Total words of VGUS – 7	5	
145	Total letters of VGUS – 7	37	
146	Total syllables of VGUS – 7	16	
147	Total TCV of VGUS – 7	144	
148	Total words of VGUS – 8	1	
149	Total letters of VGUS – 8	16 (17)	
150	Total syllables of VGUS – 8	7	
151	Total TCV of VGUS – 8	53 (54)	
152	Total words of VGUS – 9	1	
153	Total letters of VGUS – 9	16	
154	Total syllables of VGUS – 9	7	
155	Total TCV of VGUS – 9	56	
156	Total words of VGUS – 10	1	
157	Total letters of VGUS – 10	16	
158	Total syllables of VGUS – 10	7	
159	Total TCV of VGUS – 10	56	
160	Total words of VGUS – 11	1	
161	Total letters of VGUS – 11	17	
162	Total syllables of VGUS – 11	7	
163	Total TCV of VGUS – 11	73	
164	Total words of VGUS – 12	1	
165	Total letters of VGUS – 12	9	
166	Total syllables of VGUS – 12	4	
167	Total TCV of VGUS – 12	44	
168	Total words of VGUS – 13	2	
169	Total letters of VGUS – 13	32	
170	Total syllables of VGUS – 13	14	
171	Total TCV of VGUS – 13	112	

172	Total factors of 172	$2 \times 2 \times 43$	3
173	Total factors of 173	173	1
174	Total factors of 174	$2 \times 3 \times 29$	3
175	Total factors of 175	$5 \times 5 \times 7$	3
176	Total factors of 176	$2 \times 2 \times 2 \times 2 \times 11$	5
177	Total factors of 177	3×59	2
178	Total factors of 178	2×89	2
179	Total factors of 179	179	1
180	Total factors of 180	$2 \times 2 \times 3 \times 3 \times 5$	5
181	Total factors of 181	181	1
182	Total factors of 182	$2 \times 7 \times 13$	3
183	Total factors of 183	3×61	2
184	Total factors of 184	$2 \times 2 \times 2 \times 23$	4
185	Total factors of 185	5×37	2
186	Total factors of 186	$2 \times 3 \times 31$	3
187	Total factors of 187	11×17	2
188	Total factors of 188	$2 \times 2 \times 47$	3
189	Total factors of 189	$3 \times 3 \times 3 \times 7$	4
190	Total factors of 190	$2 \times 5 \times 19$	3
191	Total factors of 191	191	1
192	Total factors of 192	$2 \times 2 \times 2 \times 2 \times 2 \times 3$	7
193	Total factors of 193	193	1
194	Total factors of 194	2×97	2
195	Total factors of 195	$3 \times 5 \times 13$	3
196	Total factors of 196	$2 \times 2 \times 7 \times 7$	4
197	Total factors of 197	197	1
198	Total factors of 198	$2 \times 3 \times 3 \times 11$	4
199	Total factors of 199	199	1
200	Total factors of 200	$2 \times 2 \times 2 \times 5 \times 5$	5

Table 1
Devnagri alphabet with TCV Values

Devnagri Varanmala
देवनागरी वर्णमाला

Nine vowels

अ इ उ ऋ लृ ए ओ ऐ औ
1 2 3 4 5 6 7 8 9

5 x 5 Varga consonants

क ख ग घ ङ 1 2 3 4 5
च छ ज झ ञ 2 3 4 5 6
ट ठ ड ढ ण 3 4 5 6 7
त थ द ध न 4 5 6 7 8
प फ ब भ म 5 6 7 8 9

Anthstha letters:

य र ल व 1 3 5 7

Ushmana letters:

श स ष ह 2 3 6 9

Yama letters

ॠ ॡ ॢ ॣ । ॥ ० ॠ
9 10 11 12 13 14 15 16

Table 2

Composition Organization Data of Ganita sutras

S N	Sutra	Words	Syllables	Letters	TCV	VCV
1	एकाधिकेन पूर्वेण ।	2	5+3 =8	9+7=16	75	23
2	निखिलं नवतश्चरमं दशतः	3	3+6+3 =12	7+14+7=28	107	52
3	ऊर्ध्वतिर्यग्भ्याम्	1	5	15	58	36
4	परावर्त्य योजयेत् ।	2	4+3 = 7	10+7=17	52	32
5	शून्यं साम्यसमुच्चये	2	2+6 = 8	6+14=20	71	42
6	(आनुरूप्ये) शून्यमन्यत् ।	2	4+4 = 8	8+11=19	76	22
7	संकलनव्यवकलनाभ्याम् ।	1	10	24	91	33
8	पूरणापूरणाभ्याम् ।	1	6	16	68	26
9	चलनकलनाभ्याम् ।	1	7	16	59	23
10	यावदूनम् ।	1	4	9	41	18
11	व्यष्टिसमष्टिः ।	1	5	14	58	32
12	शेषाण्यङ्केन चरमेण ।	2	4+4=8	12+8=20	79	43
13	सोपान्त्यद्वयमन्त्यम् ।	1	7	20	80	44
14	एकन्यूनेन पूर्वेण ।	2	5+3 = 8	10+ 7= 17	84	14
15	गुणितसमुच्चयः	1	7	16	56	38
16	गुणकसमुच्चयः ।	1	7	16	55	33
Total 16		24	117	283	1110	511

Table 3

Composition Organization Data of Ganita Upsutras

S N	Upsutra	Words	Syllables	Letters	TCV	VCV
1	आनुरूप्येण ।	1	5	10	42	9
2	शिष्यते शेषसंज्ञः ।	2	3+4=7	7+11= 18	74	44
3	आद्यमाद्येनान्त्यमन्त्येन	1	9	23	96	40
4	केवलैः सप्तकं गुण्यात् ।	3	3+3+2=8	7 + 8 + 6 = 21	92	36
5	वेष्टनम् ।	1	3	08	41	17
6	यावदूनं तावदूनम् ।	2	4+4=8	9 + 9=18	85	35
7	यावदूनं तावदूनीकृत्य वर्गं च योजयेत् ।	5	4+6+2+ 1+3=16	9+13+6+2 +7 =37	144	46
8	अन्त्ययोर्दशकेऽपि ।	1	7	16 (17)	53 (54)	24
9	अन्त्ययोरेव ।	1	5	11	40	13
10	समुच्चयगुणितः ।	1	7	16	56	37
11	लोपनस्थपनाभ्याम् ।	1	7	17	73	28
12	विलोकनम् ।	1	4	09	44	13
13	गुणितसमुच्चयः समुच्चयगुणितः ।	2	7+7=14	16 + 16= 32	112	74
TOTAL		22	100	236	952	416