

APPENDIX 14

ITEM ANALYSIS OF VERBAL ABILITY TEST. (N=400)

Item No	Frequency of corrected responses in the upper group	Obtained proportion of correct responses in the upper group	Frequency of correct responses in the lower group	Obtained proportion of correct responses in the lower group	Proportion of correct responses in the upper group after applying correction for chance (Pu)	Proportion of correct responses in the lower group after applying correction for chance (Pl)	Frequency of correct responses in the entire sample	Obtained proportion of correct responses in the entire sample	Proportion of correct responses in the entire sample after applying correction for chance (P)
1	181	.905	130	.650	.899	.627	311	.788	.763
2	172	.860	112	.560	.851	.531	284	.710	.691
3	099	.495	052	.260	.461	.211	151	.378	.337
4	116	.580	053	.265	.552	.216	169	.423	.385
5	081	.405	037	.185	.365	.131	118	.300	.253
6	132	.660	067	.335	.637	.291	199	.498	.465
7	003	.015	006	.030	-.051	0.035	009	.023	0.042
8	013	.065	019	.095	-.002	.035	032	.080	.019
9	135	.675	060	.300	.653	.253	195	.488	.454
10	105	.525	061	.305	.493	.259	166	.415	.376
11	001	.005	001	.005	-.061	-0.061	002	.005	0.061
12	052	.260	023	.115	0.211	0.056	075	.188	.134
13	003	.015	006	.030	-.051	-0.035	009	.023	0.042
14	045	.225	012	.060	.173	-.003	057	.143	.086
15	114	.570	052	.260	.541	.147	166	.415	.376
16	048	.240	019	.095	.189	.035	067	.168	.113
17	148	.740	070	.350	.723	.307	218	.545	.515
18	070	.350	038	.190	.307	.136	108	.270	.221
19	044	.220	015	.075	.168	.013	059	.148	.091
20	112	.560	040	.200	.531	.147	152	.380	.339
21	153	.765	080	.400	.749	.437	233	.583	.555
22	015	.075	013	.065	.013	.003	028	.070	.008
23	016	.080	005	.025	.019	-.040	021	.053	-.010
24	016	.080	012	.060	.019	-.003	028	.070	.008
25	065	.325	013	.065	.280	-.003	078	.195	.208

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Item No	Frequency of corrected responses in the upper group	Obtained proportion of correct responses in the upper group	Frequency of correct responses in the lower group	Obtained proportion of correct responses in the lower group	Proportion of correct responses in the upper group after applying correction for chance (Pu)	Proportion of correct responses in the lower group after applying correction for chance (Pl)	Frequency of correct responses in the entire sample	Obtained proportion of correct responses in the entire sample	Proportion of correct responses in the entire sample after applying correction for chance (P)
26	017	.085	007	.035	.024	-.029	024	.060	-.003
27	021	.105	009	.045	.045	-.019	030	.075	-.013
28	052	.260	019	.095	.211	-.035	071	.178	-.123
29	013	.065	004	.020	.003	-.045	017	.043	-.021
30	027	.135	007	.035	.007	-.029	034	.085	-.024
31	017	.085	008	.040	.024	-.024	025	.063	-.001
32	022	.110	008	.040	.051	-.024	030	.075	-.013
33	013	.065	004	.020	.003	-.045	017	.043	-.021
34	015	.075	003	.015	.013	-.051	018	.045	-.019
35	009	.045	000	.000	-.019	-.066	009	.023	-.042
36	004	.020	02	.010	-.045	-.056	006	.015	-.051
37	002	.010	0	0	-.056	-.066	002	.005	-.061
38	123	.615	25	.125	.589	-.067	148	.370	-.328
39	017	.085	03	.015	.025	-.051	020	.050	-.010
40	0	0	02	.010	.066	-.056	002	.005	-.061
41	005	.025	02	.010	-.040	-.056	007	.018	-.048
42	001	.005	0	0	-.061	-.066	001	.003	-.063
43	021	.105	03	.015	.045	-.051	024	.060	-.003
44	008	.040	01	.005	-.024	-.061	009	.023	-.042
45	020	.100	05	.025	.040	-.040	025	.063	-.001
46	031	.155	09	.045	.056	-.019	040	.100	-.040
47	001	.005	0	0	-.061	-.066	001	.003	-.063
48	026	.130	03	.015	.072	-.051	029	.073	-.011
49	037	.185	07	.035	.131	-.029	034	.085	-.024
50	007	.035	02	.010	-.029	-.056	009	.023	-.042

Item No	q	pq	pq	2 pq	Pu-Pl	r ø	r ø	N rø
1	.238	.182	.426	.852	.272	.319	.102	40.77
2	.309	.214	.462	.924	.320	.346	.120	47.98
3	.663	.223	.472	.945	.250	.265	.070	27.99
4	.615	.237	.486	.973	.336	.345	.119	47.61
5	.747	.189	.434	.869	.230	.265	.070	28.02
6	.544	.253	.503	1.007	.346	.344	.118	47.22
7	1.000	-	-	-	-	-	-	-
8	.981	.019	.136	.273	-.035	-.128	.016	06.57
9	.546	.248	.498	.996	.400	.040	.002	00.65
10	.624	.235	.484	.969	.234	.241	.058	23.33
11	1.000	-	-	-	-	-	-	-
12	.866	.116	.341	.681	.155	.228	.052	20.72
13	1.000	-	-	-	-	-	-	-
14	.914	.079	.280	.560	.173	.309	.095	38.17
15	.624	.235	.484	.968	.394	.407	.166	66.26
16	.887	.100	.316	.633	.154	.243	.059	23.68
17	.485	.250	.499	.999	.416	.416	.173	69.22
18	.779	.172	.415	.830	.171	.206	.042	16.97
19	.909	.083	.289	.575	.155	.270	.073	29.07
20	.661	.224	.473	.945	.384	.405	.164	65.77
21	.445	.247	.497	.994	.312	.314	.099	39.41*
22	.992	.008	.089	.178	.010	.056	.003	01.26
23	1.000	-	-	-	-	-	-	-
24	.992	.008	.089	.178	.019	.107	.011	04.56
25	.792	.165	.406	.812	.280	.345	.119	47.56

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Item No	q	pq	pq	2 pq	Pu-Pl	r ϕ	r ϕ	N r ϕ
26	1.000	1.000	-	-	-	-	-	-
27	.987	.013	.113	.226	.045	.199	.039	15.86
28	.877	.108	.328	.656	.176	.268	.072	28.79
29	1.000							
30	.976	.023	.153	.306	.077	.252	.063	25.32
31	.999	.001	.032	.663	.024	.381	.145	58.05
32	.987	.013	.113	.226	.051	.226	.051	20.37
33	1.000	-	-	-	-	-	-	-
34	1.000	-	-	-	-	-	-	-
35	1.000	-	-	-	-	-	-	-
36	1.000	-	-	-	-	-	-	-
37	1.000							
38	.672	.220	.469	.938	.522	.557	.310	123.87
39	1.000	-	-	-	-	-	-	-
40	1.000	-	-	-	-	-	-	-
41	1.000	-	-	-	-	-	-	-
42	1.000	-	-	-	-	-	-	-
43	1.000	-	-	-	-	-	-	-
44	1.000	-	-	-	-	-	-	-
45	1.000	-	-	-	-	-	-	-
46	.960	.038	.196	.392	.056	.143	.020	8.16
47	1.000	-	-	-	-	-	-	-
48	.989	.011	.104	.208	.072	.346	.120	47.92
49	.976	.024	.153	.306	.131	.428	.183	73.31
50	-	-	-	-	-	-	-	-

* Not Significant at .05 level.