

APPENDIX H

KSAs and Angoff Ratings for the AFTE Written Examination Items

AFTE Firearms Written Examination

		Form A				Form B	
Order	Item #	KSA	Angoff	Order	Item #	KSA	Angoff
1	628	146	76.67	1	629	146	76.25
2	390	90	70	2	314	90, 92	59.17
3	325	73	69.58	3	388	73	75.42
4	683	15	86.25	4	593	15	57.5
5	166	83	75.42	5	166	83	75.42
6	424	26	73.33	6	455	26	50.42
7	262	107, 109	77.92	7	261	21, 107, 109	74.17
8	425	43	62.08	8	418	43	72.92
9	587	81	70.42	9	588	81	77.08
10	288	25	76.25	10	288	25	76.25
11	357	A34	83.33	11	333	A35	61.25
12	340	A30	77.5	12	339	A30	70.42
13	419	A54	67.92	13	420	A54	75.42
14	411	100	51.25	14	414	100	55.83
15	729	97	72.92	15	729	97	72.92
16	401	9	78.75	16	171	7, 13	80
17	97	82	66.67	17	163	82	81.25
18	482	153	69.17	18	483	153	72.5
19	155	86	77.5	19	121	86, 89	76.25
20	496	30	55	20	496	30	55
21	565	74	72.58	21	306	74	57.92
22	359	A64	72.92	22	399	A64	76.67
23	737	95	74.58	23	417	95	55.83
24	580	135	73.75	24	753	135	73.75
25	210	111	79.17	25	210	111	79.17
26	702	90	69.92	26	69	90	91.25
27	673	A1	67.08	27	672	A1	71.67
28	465	26	63.75	28	467	27	55.83
29	99	99	84.17	29	312	99	69.17
30	185	80	71.67	30	185	80	71.67
31	441	37	66.25	31	442	37	78.75
32	562	74	72.92	32	541	74	71.67
33	25	52	67.5	33	365	59	72.08
34	642	106	47.5	34	744	21, 106	70
35	691	37	80.42	35	691	37	80.42
36	603	96	67.5	36	310	96	69.58
37	369	26	84.58	37	370	26	77.08
38	303	75, 76	65	38	531	75	60.42
39	684	145	66.25	39	239	145	70
40	364	43	79.17	40	364	43	79.17
41	245	A7	75	41	291	A7	73.33
42	584	110	67.5	42	582	110	72.5
43	679	82	75.83	43	184	82, 77	71.25
44	187	11	72.08	44	77	11	79.58
45	117	89	73.75	45	117	89	73.75

		Form A				Form B	
Order	Item #	KSA	Angoff	Order	Item #	KSA	Angoff
46	363	31	79.17	46	368	31	75
47	735	A46	74.17	47	707	A46	69.17
48	522	144	65.83	48	524	144	68.33
49	380	91, 90, 93	70.83	49	313	91, 92, 93	69.58
50	165	120	67.08	50	165	120	67.08
51	188	21	73.75	51	477	21	74.58
52	177	85	68.33	52	176	85	74.17
53	94	33, 144	84.17	53	435	33	67.08
54	100	98	77.5	54	709	98	78.75
55	613	76	65.83	55	613	76	65.83
56	597	95	72.5	56	578	95, 89	55.83
57	490	30	67.08	57	491	30	77.5
58	591	112	77.08	58	211	112	80.83
59	134	87, 92	63.75	59	133	87, 92	72.08
60	699	A47, A48	70.83	60	699	A47, A48	70.83
61	400	4	72.5	61	230	4	83.75
62	169	120	64.58	62	170	120	67.08
63	48	135	76.25	63	573	130	76.25
64	572	24	77.82	64	458	24	68.75
65	421	81	70	65	421	81	70
66	592	14	72.08	66	595	14	74.58
67	355	37	76.67	67	356	37	75.42
68	123	86, 88, 92	74.17	68	128	88, 89, 92	73.75
69	614	100, 101	71.67	69	650	102, 100, 62	74.17
70	56	73, A24	64.58	70	56	73, A24	64.58
71	472	A45	66.67	71	476	A45	75.83
72	317	85	70	72	434	85	72.08
73	626	27	71.25	73	156	30	75
74	459	25	70.42	74	461	25	75.83
75	440	A48	54.17	75	440	A48	54.17
76	319	86	76.25	76	392	86	71.67
77	404	31	59.58	77	409	31	68.75
78	576	147	60	78	625	147	74.17
79	21	74	73.75	79	22	74	73.33
80	7	22	55.42	80	7	22	55.42
81	688	33	76.25	81	687	34	73.33
82	697	49	75.42	82	698	46	75
83	640	87	70.42	83	138	87	73.33
84	190	A62	84.17	84	686	A62	71.25
85	140	93	75.42	85	140	93	75.42
86	700	28, 29	68.75	86	701	28, 29	67.92
87	24	132	71.25	87	34	132	78.75
88	315	76	79.17	88	311	76, 98	71.67
89	403	12	70	89	408	12	81.67
90	30	133	69.17	90	30	133	69.17

Form A				Form B			
Order	Item #	KSA	Angoff	Order	Item #	KSA	Angoff
91	191	98	78.75	91	258	98	80.42
92	351	117	73.75	92	353	117	80
93	289	24	73.75	93	290	26	78.33
94	287	120, 122	65.83	94	172	5, 120, 122	75.42
95	206	101	63.75	95	206	101	63.75
96	98	69	75.83	96	324	69	67.5
97	641	85	66.67	97	372	85	68.33
98	304	30, 31, 33	76.67	98	16	33	68.33
99	504	A94, A95	78.75	99	503	A94, A95	72.92
100	644	46, 47	47.92	100	644	46, 47	47.92
			7126.19				7129.6

AFTE Gunshot Residue Written Exams

Form A				Form B			
Order	Item #	KSA	Angoff	Order	Item #	KSA	Angoff
1	189		109 77.08	1	201		109 76.25
2	239		145 70	2	241	145, 147	55
3	408		12 81.67	3	403		12 70
4	845		76 74.17	4	622	85, 98, A58	67.5
5	207		107 80	5	207		107 80
6	746		148 62.08	6	917	146, 149	70.42
7	959		110 78.33	7	962		111 57.8
8	593		15 57.5	8	596		A8 72.92
9	350		A62 72.5	9	36		133 79.17
10	180	109, 21	72.92	10	180	109, 21	72.92
11	478		21 72.92	11	477		21 74.58
12	801		120 51.67	12	818		120 67.08
13	635		5 55.42	13	642	5, 106	47.5
14	418		45 72.92	14	434		85 72.08
15	7		22 55.42	15	7		22 55.42
16	205		107 85	16	208		107 76.67
17	517		129 80	17	518		129 80.42
18	839		2, 3 61.25	18	764	111, A69	44.17
19	277	52, 107, A76	63.33	19	279	52, 107, A75	65
20	268		109 74.58	20	268		109 74.58
21	188		21 73.75	21	569		21 73.33
22	171		7, 13 80	22	933		5, 9 74.58
23	655	75, 76, 98	71.67	23	709		12 70.42
24	985		85 68.33	24	372		85 68.33
25	475		81 73.33	25	475		81 73.33
26	263		52, 109 55.83	26	30		133 69.17
27	30		133 69.17	27	35		11 81.67
28	307	62, 67, 101	77.92	28	468		5 74.17
29	745		111 54.17	29	278	52, 107, A75	70.42
30	538		81, 99 74.58	30	538		81, 99 74.58
31	190		A62 84.17	31	195		21 85
32	365		59 72.08	32	301		A95 76.67
33	585		A68 45.42	33	591		112 77.08
34	834		130 77.92	34	937		41 70
35	794		85, 92, 96 64.58	35	794	85, 92, 96	64.58
36	474		81 67.08	36	295		25 79.17
37	800		120 77.92	37	820		120 74.58
38	164		91 77.92	38	654	87, 91, 92	75
39	868		109 68.33	39	869		109 75.42
40	963		107 37.5	40	963		107 37.5
41	582		110 72.5	41	584		110 67.5
42	182		23 77.08	42	186		12, 88 77.92
43	798		89, 91, A80 37.92	43	185		80 71.67
44	854		A62 76.25	44	857		109 77.08
45	25		52 67.5	45	25		52 67.5

Form A				Form B			
Order	Item #	KSA	Angoff	Order	Item #	KSA	Angoff
46	210		111 79.17	46	211		112 80.83
47	482		153 69.17	47	483		153 72.5
48	509	A18,A19	45.83	48	807	107, 110, A78	62.5
49	261	21, 107,109	74.17	49	262	107, 109	77.92
50	172	5, 120, 122	75.72	50	172	5, 120, 122	75.72
51	197		21 84.58	51	198		21 83.33
52	663	110, A75	77.5	52	664	107, A75	74.17
53	805	73, 90, 98	84.17	53	808	73, 90, 99	64.58
54	749		21 67.92	54	952		68 75.42
55	974		111 77.08	55	974		111 77.08
56	28		132 73.33	56	34		132 78.75
57	202		112 77.08	57	165		120 67.08
58	641		85 66.67	58	795	85, 92, 96	65
59	677		106 78.75	59	618	151, 152, 153	74.17
60	287	120, 122	65.83	60	287	120, 122	65.83
61	240		147 82.08	61	242		147 81.25
62	471	A45	71.67	62	476	A45	75.83
63	844		76 73.33	63	846		76 75.83
64	743		110 63.33	64	890	5, A1, A84	74.58
65	545	89, 91, 93	63.75	65	545	89, 91, 93	63.75
66	177		85 68.33	66	178		85 67.92
67	849		21 75	67	804	21, 111	72.08
68	652		99 79.17	68	650	24, 25, 26	74.17
69	181		86 85.42	69	833		113 63.33
70	486		30 81.25	70	486		30 81.25
71	264		109 75.42	71	265		109 48.75
72	904		87 70	72	902		87 62.5
73	187		11 72.08	73	986		69 71.67
74	848		83 71.67	74	959		110 78.33
75	621	112, 120, 122	69.58	75	621	112, 120, 122	69.58
76	592		14 72.08	76	595		14 74.58
77	278	52, 107, A75	70.42	77	783	109, A76	75
78	816	107, 109, A75	64.17	78	911		101 76.25
79	529	21, 25, 76	73.33	79	284	120, 122	66.25
80	882		153 75.83	80	882		153 75.83
81	167		120 79.17	81	168		120 80.83
82	238		146 85.83	82	625		147 74.17
83	184	82, 77	71.25	83	888		85 72.08
84	962		111 57.8	84	631		17 69.17
85	647		90 78.33	85	647		90 78.33
86	33		130 88.33	86	29		130 85.42
87	485		30 60.83	87	472		A45 66.67
88	614	100, 101	71.67	88	813	73, 90, 98	67.5
89	809	109, A79	73.75	89	873		A81 72.92
90	166		83 75.42	90	166		83 75.42
91	196		21 84.17	91	173	109, 132	75.45
92	396		99 73.75	92	280	99, 101, 105	50.83

Form A			
Order	Item #	KSA	Angoff
93	646	19, 117, 118	72.08
94	513	A99, A23	60.83
95	175	92	79.58
96	169	120	64.58
97	918	14,17,18	72.08
98	362	120	77.5
99	814	107, 109, A75	74.17
100	554	90, 92,99	67.92
7/8/99			7125.6

Form B			
Order	Item #	KSA	Angoff
93	828	3, 6	77.92
94	285	109	44.17
95	175	92	79.58
96	170	120	67.08
97	919	14	72.5
98	362	120	77.5
99	815	107, 109, A75	80.83
100	554	90, 92,99	67.92
			7126.05

AFTE Toolmark Written Examination

Form A				Form B			
Order	Item #	KSA	Angoff	Order	Item #	KSA	Angoff
1	235		117 81.25	1	3		117 94.17
2	560		74 73.33	2	562		74 72.92
3	919		14 72.5	3	593		15 57.5
4	761		93 73.33	4	506	A73, A74	70
5	834		130 77.92	5	834		130 77.92
6	636		5 70.83	6	217		5 65
7	294		152 73.75	7	482		153 69.17
8	21		74 73.75	8	22		74 73.33
9	503	A94, A95	72.92	9	504	A94, A95	78.75
10	851		26 70	10	851		26 70
11	351		117 73.75	11	353		117 80
12	829		3 77.08	12	230		4 83.75
13	337	A73	81.67	13	233		116 80
14	992		116 51.11	14	995	119, 31	58.33
15	943		116 67.5	15	943		116 67.5
16	16		33 68.33	16	464		14 77.5
17	219		5 62.92	17	214		5 63.75
18	291	A7	73.33	18	573		130 76.25
19	984	A72	77.92	19	879	A72	74.58
20	239		145 70	20	558	22, A11, A71	66.25
21	561		2 77.5	21	228		5 69.58
22	483		153 72.5	22	618	151, 152, 153	74.17
23	29		130 85.42	23	29		130 85.42
24	770	78, 80, A29	63.75	24	680		80 79.58
25	367		151 71.25	25	954		13 64.17
26	271	116, A71	82.5	26	272	116, A71	82.5
27	276		29 59.58	27	27		28 86.67
28	218		5 56.67	28	695		116 77.5
29	790		116 41.67	29	479		114 64.58
30	810	74, A31	67.5	30	810	74, A31	67.5
31	996	114, 116	88.33	31	999		14 85
32	226	A9	74.58	32	563	22, A9	77.5
33	719		12 70.42	33	9		147 77.08
34	826		78 72.5	34	637		78 60
35	931		114 69.17	35	931		114 69.17
36	788	116, 117, A72	75.42	36	273	5, 116, A71	76.25
37	957		13 62.92	37	955		13 68.33
38	825	111, A28, A29	75.42	38	700	A28, A29	68.75
39	781	118, A73, A74	78.75	39	75		118 89.17
40	867		31 50.42	40	867		31 50.42
41	224	114, 119	80.42	41	231		114 84.58
42	882		153 75.83	42	677		116 78.75
43	958		116 71.67	43	780	119, A71	73.33
44	923		57 52.08	44	452		17 44.17
45	855	73, 74	63.75	45	855	73, 74	63.75

Form A				Form B			
Order	Item #	KSA	Angoff	Order	Item #	KSA	Angoff
46	718		79 75	46	769	78, 80, A29	74.17
47	242		147 81.25	47	240	147	82.08
48	213		5 67.08	48	215	5	66.25
49	802	116, A71	62.08	49	451	119	67.92
50	697		49 75.42	50	697	49	75.42
51	998	119, 22, 38	75.55	51	991	116	75.55
52	11		29 76.67	52	18	29	94.17
53	480		114 80	53	481	114	48.33
54	17	28, 20	79.17	54	685	149	75.83
55	404		31 59.58	55	404	31	59.58
56	778		79 53.33	56	776	79	54.17
57	291		A7 73.33	57	245	7	75
58	74		116 85.83	58	220	5	61.67
59	626		27 71.25	59	709	12	70.42
60	856		A72 60.42	60	856	A72	60.42
61	865	24, A33	70	61	748	74	75.83
62	787	116, 117, A72	78.33	62	2	74	81.25
63	988		117 79.44	63	989	117	80
64	7		22 55.42	64	37	5, 6, 7	85
65	684		145 66.25	65	684	145	66.25
66	430	73, 116	80	66	505	A99	82.08
67	221		13 81.25	67	6	26	74.58
68	238		146 85.83	68	625	147	74.17
69	232		114 81.67	69	791	116	40.83
70	23		71 63.33	70	23	71	63.33
71	212		A73 68.75	71	803	116, A73	75
72	828		3, 6 77.92	72	246	8	65.83
73	821	A28, A29	76.67	73	701	A28, A29	67.92
74	229		117, A47 81.25	74	897	A56	66.25
75	558	22, A11, A71	66.25	75	239	145	70
76	565		74 72.58	76	349	116, A49	75.83
77	403		12 70	77	227	10	72.5
78	917	146, 149	70.42	78	918	14, 17, 18	72.08
79	576		147 60	79	746	148	62.08
80	852		27 72.92	80	852	27	72.92
81	811	116, A11	71.25	81	812	116, A11	73.33
82	444		6 75.42	82	445	6	67.5
83	653		31, 73 73.75	83	866	39	75.42
84	247	A73, A74	75.83	84	768	78, 80, A29	73.75
85	564		71 61.67	85	564	71	61.67
86	236		117 85	86	222	117	84.17
87	24		132 71.25	87	34	132	78.75
88	20		15 88.75	88	410	10	74.58
89	14		28 89.58	89	15	51	86.25
90	973		116 57.5	90	973	116	57.5

Form A			
Order	Item #	KSA	Angoff
91	987	119	61.11
92	225	26	62.08
93	553	K21, K23	80
94	274	116, A71	80
95	954	13	64.17
96	596	A8	72.92
97	592	14	72.08
98	237	117	85.42
99	5	26	88.33
100	786	116, A72	64.58

7198.1

Form B			
Order	Item #	KSA	Angoff
91	990	116	70
92	216	5	60.83
93	337	A73	81.67
94	275	116, 119, A71	75
95	367	151	71.25
96	396	99	73.75
97	595	14	74.58
98	354	117	82.82
99	982	26	71.25
100	786	116, A72	64.58

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