

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. B/M/N	7. U/E/S	8. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
1	H	3				X								N	U/S	Correct answer too obvious/ Replaced
2	F	3												N	S	
3	F	3												N	S	
4	F	3				X								M	E/S	Add Specific system to A/ Added
5	H	3	X											B	E/S	Add actual ctmt press in stem/ Added
6	H	3												N	S	
7	F	3												N	S	
8	H	3	X				X							M	E/S	Change stem to 28"/make D correct answer/MIMIMUM in caps/ Revised
9	F	3												N	S	
10	H	3												B	S	

Instructions

[Refer to Section D of ES-401 and Appendix B for additional information regarding each of the following concepts.]

- Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.
- Enter the level of difficulty (LOD) of each question using a 1 B 5 (easy B difficult) rating scale (questions in the 2 B 4 range are acceptable).
- Check the appropriate box if a psychometric flaw is identified:
 - \$ The stem lacks sufficient focus to elicit the correct answer (e.g., unclear intent, more information is needed, or too much needless information).
 - \$ The stem or distractors contain cues (i.e., clues, specific determiners, phrasing, length, etc).
 - \$ The answer choices are a collection of unrelated true/false statements.
 - \$ The distractors are not credible; single implausible distractors should be repaired, more than one is unacceptable.
 - \$ One or more distractors is (are) partially correct (e.g., if the applicant can make unstated assumptions that are not contradicted by stem).
- Check the appropriate box if a job content error is identified:
 - \$ The question is not linked to the job requirements (i.e., the question has a valid K/A but, as written, is not operational in content).
 - \$ The question requires the recall of knowledge that is too specific for the closed reference test mode (i.e., it is not required to be known from memory).
 - \$ The question contains data with an unrealistic level of accuracy or inconsistent units (e.g., panel meter in percent with question in gallons).
 - \$ The question requires reverse logic or application compared to the job requirements.
- Check questions that are sampled for conformance with the approved K/A and those that are *designated SRO-only* (K/A and license level mismatches are unacceptable).
- Enter question source: (B)ank, (M)odified, or (N)ew. Check that (M)odified questions meet criteria of ES-401 Section D.2.f.
- Based on the reviewer=s judgment, is the question as written (U)nsatisfactory (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
- At a minimum, explain any AU@ ratings (e.g., how the Appendix B psychometric attributes are not being met).

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11	F	3												B	S	
12	H	3												B	S	
13	H	3				X								M	E/S	In stem change 56.5 to 57.5 & make C correct answer/ Revised
14	H	3												B	S	
15	F	3	X											B	E/S	Capitalize NEXT in stem/ Revised
16	F	2				X								B	U/S	B,C,D not credible/ Replaced
17	H	3		X		X								N	E/S	Get rid of unnecessary info (cueing) in all distracters/ Revised
18	F	3										X		N	U/S	Q does not match K/A/ Replaced
19	F	2												N	S	
20	F	3												N	S	
21	H	3				X								N	E/S	Abbreviate RCFC in distracters/ Revised
22	F	3	X			X	X							N	U/S	Two correct answers/ Replaced
23	H	3												N	S	
24	H	3	X			X								N	E/S	Add Procedure in stem; Change A/ Revised
25	F	3	X											N	E/S	Add procedure in stem; enhance distracters/ Revised
26	F	3		X		X								N	E/S	Change "slowly lowering" to "lowering" in stem/ Revised
27	F	2				X								N	E/S	Delete unnecessary info in B/ Revised
28	H	3	X			X								N	U/S	A & B not credible/ Replaced
29	F	3		X		X								N	E/S	Get rid of unnecessary info in all distracters/ Revised
30	H	3				X								N	E/S	A not credible. Revise to make 2X2/ Revised
31	F	3	X											N	E/S	Delete first half of stem and add procedure title in stem/ Revised
32	H	3	X											B	E/S	In stem put MINIMUM in caps/ Revised
33	H	3					X							B	U/S	Two correct answers (A and B)/ Replaced
34	H	4												B	S	
35	F	3												B	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only			
36	F	3												B	S	
37	H	3				X								B	E/S	Underline all the "OR"s in the distracters/ Revised
38	H	3	X											B	E/S	Change could to should in stem/ Revised
39	F	3	X											B	E/S	Put MINIMUM in caps in stem/ Revised
40	F	3	X			X								N	E/S	Delete first sentence in stem and add EDG in the remainder of stem/ Revised
41	F	2												N	S	
42	F	3												N	U/S	A & C not credible/ Replaced
43	F	3				X								B	U/S	B & D not credible/ Revised distracters
44	H	3	X				X							B	S	
45	H	3				X								N	U/S	A & B not credible/ Revised distracters
46	H	3												B	S	
47	H	3	X									X		B	U/S	Q does not match K/A/ Replaced
48	H	3				X								N	U/S	B & D not credible/ Revised distracters
49	F	3				X								N	U/S	Q not credible (not being able to manually initiate fire protection)/ Replaced
50	H	3	X											N	E/S	Add procedure in stem/ Revised
51	H	3	X			X								N	S	
52	H	3				X								M	E/S	Change instantly to immediately in A& B and add times in C & D/ Revised
53	H	2												N	S	
54	H	3				X								N	E/S	Put times in A & C/ Revised
55	H	3	X	X		X								N	E/S	Get rid of second half on all distracters/ Revised
56	H	3				X								N	E/S	Add "to AFW pump 14" in C & D/ Revised
57	F	2												B	U/S	Too similar to question 43/ Replace
58	H	3												N	S	
59	F	3				X								N	E/S	Change would to should in all distracters/ Revised
60	F	2												N	E/S	Revise stem to make more clear/ Revised

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61	H	2				X								N	U/S	Only correct answer is credible/ Revised
62	F	2				X								N	E/S	C not credible/ Revised
63	F	2												N	S	
64	H	3												N	S	
65	F	3	X											N	E/S	Change stem values so that all pumps have different temperatures/ Revised
66	H	3				X								N	U/S	A & C not credible/ Revised
67	F	3	X											N	E/S	Add procedure in stem/ Revised
68	F	3				X								N	E/S	Chang each and selected to "25" and "50" and ask for TOTAL in stem/ Revised
69	H	3												N	E/S	Remove equipment numbers from B/ Revised
70	H	3												N	S	
71	H	3												N	S	
72	H	3	X			X								N	E/S	Add procedure in stem; eliminate unnecessary info in distracters/ Revised
73	H	3				X								N	E/S	D not credible/ Revised
74	F	2												N	S	
75	F	3	X				X							B	U/S	Two correct answers/ Restructured Q to eliminate problem
76	F	3											X	N	S	
77	F	3											X	N	S	
78	H	3											X	B	S	
79	H	3											X	N	S	
80	H	3											X	N	S	
81	H	3											X	N	S	
82	H	3											X	N	S	
83	H	3											X	N	S	
84	H	3		X									X	N	U/S	Direct lookup – get rid of references/ Deleted references
85	H	3				X							X	N	E/S	Add ONLY to A & D/ Revised

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86	H	3	X			X							X	N	E/S	Add valve name in stem and in A/ Revised
87	H	3		X									X	N	U/S	Direct lookup – get rid of references/ References deleted
88	F	3											X	N	S	
89	F	2											X	N	S	
90	F	3											X	N	U/S	B & C not credible / Replaced
91	H	3				X							X	N	U/S	B & D not credible/ Revised
92	F	2											X	N	S	
93	H	2											X	N	S	
94	F	3	X										X	N	E/S	Add procedures in stem// Revised
95	H	3											X	N	U/S	A & B not credible/ Replaced
96	H	3											X	N	U/S	Too similar to Admin JPM/ Replaced
97	H	3	X			X							X	N	E/S	Minimum in caps in stem; Change C to acting rad mgr ONLY/ Revised & Changed
98	H	3											X	N	S	
99	H	3											X	N	S	
100	H	3											X	N	S	