

NMP1 May 2013

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	Back- ward	Q= K/A	SRO Only			
1	F	2										Y		N	S	
2	H	2										Y		N	S	
3	H	3										Y		B	S	
4	F	2										Y		N	S	
5	H	3										Y		N	E	Added additional rods stuck out in stem conditions.
6	F	2										Y		N	S	
7	H	3										Y		N	S	
8	H	3										Y		M	S	
9	H	3										Y		B	S	
10	H	3										Y		N	S	
11	H	3										Y		N	S	
12	F	2										Y		N	S	
13	F	2										Y		N	S	
14	H	3										Y		M	E	Sanitized shading on graph .
15	H	3										Y		N	S	
16	H	3										Y		B	S	
17	F	2										Y		N	S	
18	H	3				X						Y		N	U	Reason for A and C implausible. Re-wrote A and C answer choices.
19	H	3										Y		N	S	
20	H	3										Y		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			
21	H	3										Y		N	S	
22	H	3										Y		N	S	
23	F	2										Y		N	S	
24	F	2										Y		N	S	
25	H	3				X						Y		N	U	Choices A, B, & C implausible for 100% power. Re-wrote Q.
26	H	1				X						Y		N	U	Choices A & B implausible. LOD=1. Re-wrote Q.
27	H	3										Y		B	S	
28	H	3										Y		N	S	
29	F	2										Y		N	S	
30	H	3										Y		N	S	
31	H	3										Y		B	S	
32	H	3										Y		N	S	
33	H	3										Y		N	S	
34	F	2										Y		N	S	
35	H	3										Y		B	S	
36	F	2										Y		N	S	
37	F	1				X						Y		N	U	Choices A & B implausible. LOD=1. Re-wrote Q.
38	H	3										Y		B	S	
39	H	3										Y		B	S	
40	F	2										Y		N	S	
41	F	2										Y		N	S	
42	F	2										Y		N	E	Re-labeled 2 nd column to ask for specific ERVs.
43	H	3										Y		N	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only			
44	H	3										Y		N	S	
45	F	1										Y		N	U	Generic knowledge for paralleling generators. LOD = 1. Re-wrote Q.
46	H	3										Y		N	S	
47	F	2										Y		N	S	
48	H	1				X						Y		M	U	Choices A & C implausible. LOD=1. Re-wrote Q.
49	F	3										Y		N	S	
50	H	3										Y		N	S	
51	F	2										Y		N	S	
52	F	2										Y		N	S	
53	H	2										Y		N	E	Eliminated reasons for choices C & D.
54	F	2										Y		N	S	
55	H	3										Y		M	S	
56	F	2										Y		N	S	
57	H	3										Y		N	S	
58	F	2										Y		N	S	
59	F	1				X						Y		N	U	Choices A & B implausible. LOD=1. Re-wrote Q.
60	H	3										Y		N	E	Removed shading from graph.
61	H	3										Y		N	S	
62	H	1				X						Y		N	U	Generic knowledge of steam plants. LOD=1. Selected new K/A. Wrote new Q.
63	F	1				X						Y		N	U	Choices B, C, & D implausible. LOD=1. Re-wrote Q.
64	H	3										Y		N	S	
65	F	2										Y		N	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only			
66	F	2										Y		N	S	
67	F	2										Y		M	S	
68	F	2										Y		M	S	
69	F	2										Y		N	S	
70	H	3										Y		M	S	
71	F	2										Y		N	S	
72	F	1				X						Y		B	U	Choices C & D implausible. LOD=1. Re-wrote C & D answer choices.
73	F	2										N		B	U	K/A mm. Re-wrote Q.
74	H	2										Y		M	S	
75	F	2										Y		N	S	
76	H	3										Y	Y	B	E	Eliminated shading on graph.
77	H	3										Y	Y	N	S	
78	H	3										Y	Y	N	S	
79	H	3										Y	Y	N	S	
80	H	3										Y	Y	N	U	Oversampled e-plan and EALs from Op tests. Selected new K/A. Wrote new Q.
81	H	3										Y	Y	N	S	
82	H	3										Y	Y	N	S	
83	H	3										Y	Y	M	S	
84	F	2										Y	Y	B	S	
85	H	3										Y	Y	B	S	
86	H	3										Y	Y	N	S	
87	H	3										Y	Y	N	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only			
88	H	3										Y	Y	N	S	
89	H	3										Y	Y	N	S	
90	H	3										Y	Y	B	S	
91	H	3										Y	Y	N	S	Note: Q tests LCO aspect of K/A.
92	F	3										Y	Y	N	S	
93	F	2										Y	Y	N	S	
94	F	1				X						Y	N	N	U	Choices C & D implausible. LOD=1. Not SRO Only. Selected new K/A. Wrote new Q.
95	F	2										Y	Y	N	S	
96	F	2										Y	Y	N	S	
97	F	2										Y	Y	N	S	
98	F	2										Y	Y	B	E	Re-worded answer choices C & D.
99	H	3										Y	Y	B	E	Eliminated reference to "5 minutes" in Q stem conditions.
100	F	2										Y	Y	N	S	

Instructions

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

1. Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.
2. Enter the level of difficulty (LOD) of each question using a 1 – 5 (easy – difficult) rating scale (questions in the 2 – 4 range are acceptable).
3. 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).
4. 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.
5. 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).
6. Enter question source: (B)ank, (M)odified, or (N)ew. Check that (M)odified questions meet criteria of ES-401 Section D.2.f.
7. 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?
8. At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).