

PBAPS April 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	H	3										Y		B	S	
2	F	2										Y		M	S	
3	H	3										Y		B	S	
4	H	3										Y		N	S	
5	H	3										Y		N	S	
6	F	2										Y		B	S	
7	F	2										Y		B	S	
8	H	3										Y		B	S	
9	H	3										Y		N	S	
10	F	2										Y		N	S	
11	M	2										N		N	U	K/A mm; Kept K/A wrote new Q.
12	F	2										Y		N	S	
13	H	3										Y		B	S	
14	H	3										N		B	U	K/A mm; Kept K/A wrote new Q
15	F	2										Y		M	S	
16	H	3										Y		M	S	
17	H	3				X						Y		N	U	Choices A and C implausible; Modified stem and rewrote answer choices accordingly
18	F	2										N		N	U	K/A mm; Kept K/A wrote new Q
19	F	1				X						Y		B	U	LOD = 1; Oversample of I/A system: Q53; Also, C & D imp; Selected new K/A and wrote new Q.

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20	H	3										Y		B	S	
21	F	2				X						Y		N	U	No correct Ans; kept K/A and rewrote choices
22	H	3										Y		N	S	
23	H	3										Y		B	S	
24	F	2										Y		N	S	
25	F	2										Y		B	S	
26	H	3										Y		N	S	
27	H	3				X						Y		B	U	A and D imp; Kept K/A; modified stem conditions and fixed choices
28	F	2										Y		B	S	
29	F	2										Y		B	S	
30	F	2										Y		N	S	
31	H	3										Y		N	E	Provided fuel pool map
32	F	2										Y		N	S	
33	H	3										Y		B	S	
34	H	3										Y		B	S	
35	H	3										Y		M	S	
36	H	3										Y		M	S	
37	H	3										Y		B	S	
38	F	2										Y		M	S	
39	H	3										Y		N	S	
40	F	2										Y		N	E	Added PCPL-A to stem
41	F	2										Y		B	S	
42	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			
43	F	2										Y		M	S	
44	H	3										Y		B	S	
45	F	2										Y		N	S	
46	H	3										Y		N	S	
47	H	3										Y		B	S	
48	H	3										Y		M	S	
49	H	3										Y		N	E	Eliminated VR parameter
50	H	3										Y		B	S	
51	H	3										Y		M	S	
52	H	3										Y		B	S	
53	F	2										Y		M	S	
54	F	2										Y		B	S	
55	H	4										Y		N	S	
56	F	2										Y		N	S	
57	H	3										Y		B	E	Q downgraded to memory
58	F	2										Y		B	S	
59	H	3										Y		N	E	Added "ONLY" to choices A & B
60	F	2										Y		N	S	
61	F	2										Y		B	S	
62	F	2										Y		N	S	
63	H	3										Y		N	S	
64	H	3										Y		N	S	
65	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			
66	F	2										Y		N	S	
67	F	2										Y		B	S	
68	H	3										Y		B	S	
69	F	2										Y		N	S	
70	H	3										Y		B	S	
71	F	2										Y		B	S	
72	F	2										Y		N	S	
73	F	2										Y		B	S	
74	H	3										Y		B	S	
75	F	2										Y	Y	N	S	
76	H	4										Y	Y	N	S	
77	H	4										Y	Y	M	S	
78	H	4										Y	Y	M	S	
79	H	4										Y	Y	N	S	
80	H	3										Y	Y	B	S	
81	H	4										Y	Y	N	S	
82	H	4										Y	Y	N	S	
83	H	4										Y	Y	N	S	
84	H	4										Y	Y	N	S	
85	H	4										Y	Y	N	S	
86	H	4										Y	Y	N	S	
87	H	4										Y	Y	N	S	
88	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			
89	H	4										Y	Y	M	S	
90	H	1				X						Y	Y	B	U	LOD=1; B & C imp; kept K/A and rewrote Q
91	H	4										Y	Y	N	S	
92	H	4										Y	Y	N	S	
93	H	4										Y	Y	N	S	
94	F	3										Y	Y	N	S	
95	F	3										Y	Y	B	S	
96	H	3										Y	N	N	U	Not SRO only knowledge; selected new K/A and wrote new Q
97	H	3										Y	Y	N	S	
98	H	4										Y	Y	N	S	
99	H	4										Y	Y	N	S	
100	F	3										Y	Y	N	E	10CFR55 applicability is 43(b)(2)

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).