

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. U/E/S	6. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward			
1	F	2											S	
2	F	2											S	
3	H	4	x										E	stem clarity
4	H	2											S	
5	H	2											S	
6	H	3											S	
7	F	2											E	Verify that 'c' is not correct
8	H	3				x							U	in EOPs, so other procedures do not govern.
9	F	3											S	
10	F	3											S	

Revised

revised replaced

Instructions

[Refer to 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 - 5 (easy - difficult) rating scale (questions in the 2 - 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.
  - More than one distractor is not credible.
  - 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.
- Based on the reviewer's judgment, is the question as written (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
- For any "U" ratings, at a minimum, explain how the Appendix B psychometric attributes are not being met.

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11	F	2										S	
12	F	2										S	
13	H	3										S	
14	H	4										E	Use "directed" vs "allowed" - better word choice
15	F	3										E	change "could" to "would". Stem focus
16	F	2				x						Ⓜ	more than one correct answer
17	F	2	x			x						Ⓜ	more than one correct answer and word usage - available/
18	H	3										S	Revised
19	H	3										S	
20	F	3										S	
21	H	4										S	
22	H	3										S	
23	H	3										S	
24	H	4										S	
25	H	3		x								E	change relief valves in 'z' to SRVz
26	F	2										S	
27	H	4										S	change answer to 'c' from 'b' (typo)
28	F	2										S	
29	H	3										S	
30	H	3	x			x						Ⓜ	Without procedure ref. more than one correct

revised  
revised  
revised  
available/  
Revised

revised

revised

revised

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward		
31	F	2										S	
32	F	2										S	Verify that B:Hi does not cause auto isolation
33	F	3										S	
34	F	2										S	
35	F	2				x						R(1) S	'b' & 'd' could also be correct (daily)
36	F	1										S	
37	H	4										S	
38	F	2										S	
39	F	2										S	
40	H	3										S	typo in 'a' or → in
41	F	2										S	
42	H	3										S	
43	H	4										S	
44	H	3										S	
45	F	2										S	
46	F	2										S	
47	H	4										S	
48	F	3										S	Ensure that this is required knowledge
49	F	2										S	
50	F	2	x				x					(2) S	more than one correct and distractors not credible

verified

revised

revised

verified

Revised

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward		
51	F	2										S	
52	H	3										S	
53	H	3										S	long stem - break into 2 paragraphs
54	H	3										S	(Question revised after discussion) add auto...
55	H	3										S	
56	F	3										S	monitor(s) typo
57	F	3										S	
58	F	2										S	
59	F	2										S	
60	H	3										S	Verify system operation
61	H	3										S	
62	H	3										S	
63	H	4										S	
64	H	4										S	pump(s) - typo
65	H	3										S	
66	F	2										E	Stem and distractors do not match
67	H	3										S	
68	F	2										S	
69	F	2										S	
70	H	3										S	

revised

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71	H	2										S	Is this required knowledge?	revised
72	H	3										S		
73	H	3										S		
74	H	3										S	add accident to stem	revised
75	H	3										S		
76	F	3										S		
77	F	2										S		
78	H	4										S		
79	H	3										S		
80	F	2										S		
81	H	3										S		
82	H	3										S		
83	F	3										S		
84	F	2				X						Ⓢ	more than one distractor not credible	revised
85	F	1										S		
86	H	3										S		
87	F	3	X			X						Ⓢ	more than one correct answer	revised
88	F	3										S		
89	H	4										S		
90	F	2										S		

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91	F	2					x					ⓐ	more than one correct	revised
92	H	3										S	definition of core alteration	revised
93	H	3										S		
94	H	3										S		
95	H	4										S		
96	F	2										S		
97	H	3										S		
98	F	2										S		
99	H	3				x						ⓐ	Distractors not valid	revised
100	H	3										S	add "to" to "a" - type (question on 2 min. vs 1 min.)	revised
													10 Questions judged unsat (10%)	
													84 Questions are NEW	
													12 NRC EXAM Questions	
													53 Higher level Questions	
													32 SRO level Questions - Adequate sample of 55.43 (b)	

Comments on Operating Test- Master File

Comments on Section A

In general, the JPMs appeared weak. There was a lot of time spent on procedure review with little important decision making or SRO level knowledge demonstrated.

A.1.1 JPM was more RO level. Revise the JPM to be more of an SRO type JPM, calling for review and approval of the procedure change.

A.1.2 Delete the Mode change JPM because it simply involved filling out a form and did not demonstrate adequate SRO level knowledge. Replace with two questions.

A.2 Delete tagout JPM because it demonstrated very little SRO knowledge. Replace with a P&ID type JPM that has candidate trace flowpath for pumping firewater into the RPV via the RHR system.

A.3 Delete JPM that involved actions (notifications) taken for lost radioactive source. Replace with ~~JPM on actions to allow entry into RCA.~~ *two questions*

A.4 Revise JPM to require candidate to determine PARs. Also step requiring evacuating the public from the shorefront and recreation areas should be critical to be similar to the critical step of evacuating workers from the protected area.

Comments on Section B

Add instructions for candidate to inform examiner when JPM (task) is complete.

EPR/MPR JPM Stop JPM after reactor scram, rather than after completing scram actions. Provide cue to make it more natural for candidate to be monitoring system after initial change is made to the system.

RWCU JPM Add step to open MO-76

SBGT JPM (Replaced EDG JPM which was on the audit exam.)  
Add note for examiner to direct candidate to place control switches for AO-98 and AO-101 in AUTO, if status is questioned by the candidate.

Comments on Section C

Add a task for EP classification at the end of each scenario.

Switch scenario 5 for 4 so that scenario #4 is the backup scenario.