

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 to 5 (easy to difficult) rating scale (questions in the 2 to 4 range are acceptable).
3. Check the appropriate box if a psychometric flaw is identified:
 - a. The stem lacks sufficient focus to elicit the correct answer (e.g., unclear intent, more information is needed, or too much needless information).
 - b. The stem or distractors contain cues (i.e., clues, specific determiners, phrasing, length, etc).
 - c. The answer choices are a collection of unrelated true/false statements.
 - d. The distractors are not credible; single implausible distractors should be repaired, more than one is unacceptable.
 - e. 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:
 - a. 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).
 - b. 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).
 - c. The question contains data with an unrealistic level of accuracy or inconsistent units (e.g., panel meter in percent with question in gallons).
 - d. 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?
Place the answer letter here
- Place the 55.41(b)x or 55.43(b)y item here (example 1, 2, 3, 10, etc)
8. At a minimum, explain any Unsat ratings (e.g., how the Appendix B psychometric attributes are not being met).

Q#	1. LOK	2. LOD	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6	7	Ans Letter	CFR	8	
	(F/H)	(1-5)	stem focus	cueing	T/F	cred dist	partial	job link	minutia	# / units	back-ward	K/A	SRO-only	B/M/N	U/E/S	A/B/C/D	55.41 55.43		Explanation
																			Entire exam NRC authored
1	H	3												N	S	D	10		
2	H	2												N	S	A	7		
3	F	2												N	S	C	7		
4	F	3												N	S	A	5		
5	F	2												N	S	C	7		
6	H	3												B	S	D	5	not used on an NRC exam	
7	H	3												M	S	B	5		
8	H	3												N	S	D	7		
9	H	3												N	S	C	7		
10	H	3												N	S	D	5		
11	F	3												N	S	A	7		
12	F	3												N	S	B	7		
13	H	2												N	S	A	7		
14	H	3												N	S	D	7		

15	H	3												N	S	A	7	
16	F	4												N	S	C	7	
17	H	3												N	S	C	8	
18	F	3												B	S	D	7	not used on an NRC exam
19	F	2												N	S	B	5	
20	F	3												N	S	B	10	
21	H	3												N	S	B	7	
22	F	3												N	S	A	7	
23	H	3												N	S	D	10	
24	H	3												N	S	D	7	
25	H	4												N	S	C	10	reference provided
26	F	3												N	S	C	9	
27	H	3												N	S	C	7	
28	H	3												N	S	C	9	
29	H	2												B	S	B	5	
30	H	3												N	S	B	6	2013 NRC Exam
31	F	2												N	S	C	7	
32	F	3												N	S	C	7	
33	F	3												N	S	A	13	
34	H	3												B	S	A	7	
35	H	3												N	S	D	7	
36	F	2												N	S	A	7	
37	H	3												N	S	D	8	
38	F	2												B	S	D	7	2012 NRC
39	H	3												N	S	A	7	
40	F	3												N	S	C	4	
41	H	3												N	S	C	10	
42	H	3												N	S	B	8	
43	H	3												N	S	A	10	
44	F	3												N	S	C	10	
45	F	3												N	S	A	7	
46	H	2												B	S	C	6	2009 NRC
47	F	3												N	S	A	10	
48	H	3												N	S	B	10	

49	H	2												M	S	A	7	FROM 2017 NRC
50	H	3												N	S	B	10	
51	H	4												B	S	A	10	2015 NRC
52	F	2												N	S	C	10	
53	H	3												B	S	B	10	
54	F	3												N	S	D	10	
55	H	3												N	S	A	7	
56	H	3												B	S	D	5	2010 NRC
57	H	3												B	S	A	10	
58	H	3												N	S	B	5	
59	H	3												N	S	B	10	
60	H	3												N	S	C	7	
61	F	3												N	S	D	7	
62	F	3												N	S	D	5	
63	F	3												N	S	C	11	
64	H	2												B	S	B	5	2015 NRC
65	F	3												N	S	C	2	
66	F	3												N	S	B	12	
67	F	2												N	S	A	2	
68	F	3												N	S	A	10	
69	F	2												B	S	A	12	2015 NRC
70	F	2												N	S	A	10	
71	F	2												B	S	C	5	2016 DC- distractor wording is odd on B and D, not like bank q either. Repaired
72	F	3												N	S	B	10	
73	F	4												N	S	D	5	
74	F	2												N	S	C	10	
75	F	2												N	S	D	10	
76	H	3												N	S	A	2	
77	F	3												N	S	C	2	
78	H	3												N	S	B	5	
79	H	3												B	S	D	5	2013 NRC Exam
80	H	3												M	S	A	2	
81	H	3												N	S	A	1	

82	H	3												B	S	C	2	
83	H	3												N	S	C	2	
84	H	3												N	S	B	5	
85	H	3												B	S	D	5	2009 NRC
86	H	3												N	S	A	2	
87	H	3												N	S	B	5	
88	H	3												N	S	A	2	
89	F	3												N	S	C	2	
90	H	3												N	S	B	2	
91	F	2												N	S	A	5	
92	F	3												N	S	D	5	
93	H	3												N	S	C	5	
94	F	3												N	S	B	5	
95	F	3												B	S	B	2	
96	F	2												M	S	D	3	MOD FROM 2007 NRC
97	H	3												B	S	C	5	
98	F	3												B	S	A	6	
99	F	3												N	S	D	3	
100	H	3												N	S	D	5	

Results Table

RO LOK -H	39		Avg RO LOD	2.8
RO LOK-F	36		AVG SRO LOD	2.92
SRO LOK - H	16		Overall LOD	2.83
SRO LOK - F	9			
		%		%
RO Bank	13	17.33	SRO Bank	6 24
RO Mod	2	2.667	SRO Mod	2 8
RO New	60	80	SRO New	17 68
		%		
Total Bank	19	19		
Total Mod	4	4		
Total New	77	77		
		%		%

Flaws

Stem focus	0
Cues	0
T/F	0
Cred Dist	0
Partial	0
job link	0
units	0
minutia	0
backward	0
KA	0
SRO-only	0
LOD = 1	0

10 CFR Distribution

41(b)1	0	43(b)1	1
41(b)2	2	43(b)2	10
41(b)3	0	43(b)3	2
41(b)4	1	43(b)4	0
41(b)5	12	43(b)5	11
41(b)6	2	43(b)6	1
41(b)7	28	43(b)7	0
41(b)8	3		
41(b)9	2		
41(b)10	21		
41(b)11	1		
41(b)12	2		

RO Sat	75	100	SRO Sat	25	100		41(b)13	1
RO Unsat	0	0	SRO Unsat	0	0	Answer Dist (in %) RO-A 21 SRO-A 7 RO-B 16 SRO-B 6 RO-C 21 SRO-C 6 RO-D 17 SRO-D 6	41(b)14	0
RO Edit	0	0	SRO Edit	0	0			
		%			%			
Total Sat	100	100	Total Unsat	0	0			
Total Edit	0	0						

Question Overlap with the Previous Two NRC Exams

QA form ES-401-6 item 4 requires 4 or less questions on RO exam from previous two NRC exams, SRO portion two or less questions from previous two NRC exams*

PREVIOUS 2 EXAMS ARE 2017 AND 2016 EXAMS

* if this is exceeded, the region shall call NRR to explain why/reasons.

RO overlap from previous two NRC exams

NONE

SRO overlap from the previous two NRC exams

NONE

Questions Requiring References to Answer

6-10 questions rule of thumb on SRO portion of exam are allowed to be open reference, while the RO exam is generally none

RO Questions that require hand-outs

Q25

SRO Questions that require hand-outs

NONE