

Tom - Comments
on 1st 30

ES-401

Written Examination
Review Worksheet

Form ES-401-9

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		56. U/E/S	67. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q- K/A	SRO Only		
1															
2	F	2													
3	F	2													
4	F	2												E	See marking
5	F	3													
6	F	2				✓								E	Only if light can turn red. Difficult to
7	H	2				✓								U	Explain how B/C credible
8	H	3													
9	F	2													
10	F	2												E	See marking

Edited

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 - 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.
- Check the appropriate box if the sampled question does not match the approved K/A or an SRO-only question is not at the SRO level.
- 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.

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws					5. Other		56. U/E/S	67. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q-K/A	SRO Only				
21	H	3				✓									U	Explain how C/D credible?	SAT 20 is.
12	F	2				✓									Σ	B credible?	
13	H	2													Σ	See marking	
14	F	2													U	A/C credible?	SAT 15 is
15	H	3													Σ	See marking	
16	H	2													Σ	Why is C credible?	
17	H	3															
18	H	3													Σ	Repl B	
19	H	3													Σ	See marking	
20	H	2															
21	H	2															
22	H	3											✓		Σ	See marking	
23	H	3													Σ	" "	
24	F	2															
25	P	2													Σ	See marking	
26	F	3													Σ	" "	
27	H	3															
28	H	3													Σ	" "	
29	F	3		✓		✓									U	Why are A/B/D cred? "C" in stem & C only	
30	F	3													Σ	See marking	

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws					5. Other		56. U/E/S	67. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q K/A	SRO Only				
231	F	2															
2	F	2							✓						U?	accept as is.	
3	H	2				✓									E	D credible?	
4	H	2				✓									E	"	
5	F	4													E	See marking	
6	F	2															
7	H	2															
8	H	2															
9	F	2							✓						U?	accept as is.	
10	F	2			✓										U?	Replace.	
1	H	3													E	See marking	
2	H	3				✓									E	D cred?	
3	H	2															
4	H	3															
5	F	3															
6	H	2				✓									E	Bored?	
7	H	2													E	Needs CN ref	
8	F	3													E	See marking	
9	F	2															
10	H	3													E	" "	

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws				4. Job Content Flaws				5. Other		56. U/E/S	67. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q-KA			SRO Only
251	F	2													
2	H	3												Σ	See markup
3														U?	Confirm RO-level, See markup
4	H	3													
5	F	2											✓	Σ	See markup
6	H	2											✓	Σ	1 KA & ref
7	F	2											✓	Σ	"
8	F	3											✓	Σ	" & CN specific per c#
9	H	3												Σ	"
60	F	3											✓	Σ	"
1	H	3											✓	Σ	"
2	H	3				✓							✓	Σ	"
3	H	2				✓							✓	Σ	"
4	F	2											✓	Σ	See markup A/C cred?
5	H	2												Σ	"
6	H	3												U	Make CN specific then use,
7													✓	Σ	See markup
8														Σ	As 64
9															
70															

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Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		56. U/E/S	67. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q-K/A	SRO Only			
231	F	2														
2	F	2								✓					U?	
3	H	2				✓									E	D credible?
4	H	2				✓									E	"
5	F	4													E	See markup
6	F	2														
7	H	2														
8	H	2														
9	F	2								✓					U?	
40	F	2			✓										U?	
1	H	3													E	See markup
2	H	3				✓									E	D cred?
3	H	2														
4	H	3														
5	F	3														
6	H	2				✓									E	Bored?
7	H	2													E	Needs CM ref
8	F	3													E	See markup
9	F	2														
50	H	3													E	" "

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		56. U/E/S	67. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q- K/A	SRO Only			
25	F	2													Σ	See markup
2	H	3													U?	Confirm RO-level, See markup
3																
4	H	3											✓	Σ	Σ	See markup
5	F	2											✓	Σ	Σ	1 KA & ref
6	H	2											✓	Σ	Σ	"
7	F	2											✓	Σ	Σ	" & CN specific proc #
8	F	3											✓	Σ	Σ	" " " "
9	H	3											✓	Σ	Σ	" " " " , Correct?
60	F	3											✓	Σ	Σ	" " " " c/d cred?
1	H	3				✓							✓	Σ	Σ	" " " " c/d cred?
2	H	3				✓								Σ	Σ	See markup A/C cred?
3	H	2											✓	Σ	Σ	" " A/B cred
4	F	2												U	U	Make CN specific
5	H	2												Σ	Σ	See markup
6	H	3											✓	Σ	Σ	As 64
7																
8																
9																
10																

SRO GUES. w/o

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Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws					5. Other		56. U/E/S	67. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q- K/A	SRO Only			
1	H	3														K/A
2	F	2														"
3	F	2														"
4	H	3														"
5	H	3										✓		E	See marking	K/A corr'd
6	H	3														K/A
7	H	3												E	See marking	K/A OK
8	F	3				✓								E	DCred?	K/A edited
9	H	2														K/A
10	H	3														K/A
11	H	2												E	See marking	edited ✓
12	H	3														
13	H	3												E	See marking	edit
14	H	2										✓		U	Not SRO?	Repl'd
15	F	2		✓										E	C length are	edited
16	F	2				✓								U	A/B/D cred?	Repl'd
17	H	3														
18	F	2										✓		U	Not SRO?	Repl'd
19	H	3														
20	H	3										✓		U	" " ?	See marking corr'd

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Use.

FACILITY:

EXAM DATE:

REVIEWER:

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		
67	F	3										S	KA #/value?
68	F	2										S	KA?
69	F	3										S	Edit "pipe break <u>resulted</u> . . ."
70	H	3										S	Edit "310 ucl/gm <u>dose</u> equivalent . . ."
71	F	2										S	Answer not given
72	F	2										S	
73													Not reviewed
74	F	3										S	
75	F	3										E	Answer is none of the above for B and C, which is to be avoided. Is A credible?
76													Not reviewed
77	H	3										S	typo "one rod in <u>B1</u> "
78	F	3										S	
79	H	3										S	
80	H	3										S	
81													not reveiwed
82	H	3										S	
83													not reviewed
84	F	3										S	difference between activity and discharge understood?
85	F	3										S	
86	F	3										S	
87	H	3										S	
88	H	3										S	Answer? Typo in stem, "syatem". Assume RPV water does not change?

[illegible]

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		
115													
116													
117													
118													
119													
120													
121													
122													
123													
124													
125													

General:

K/A numbers and/or values are not listed for many of the questions.

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FACILITY:

EXAM DATE:

REVIEWER:

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		
67	F	3										S ✓	KA #/value?
68	F	2										S ✓	KA?
69	F	3										S ✓	Edit "pipe break <u>resulted</u> ..."
70	H	3										St ✓	Edit "310 uci/gm <u>dose</u> equivalent ..."
71	F	2										S	Answer not given ✓
72	F	2										S ✓	
73												✓	Not reviewed
74	F	3										S ✓	
75	F	3										E	Answer is none of the above for B and C, which is to be avoided. Is A credible? ←
76												✓	Not reviewed
77	H	3										S ✓	typo "one rod in B1"
78	F	3										S ✓	
79	H	3										S ✓	
80	H	3										S ✓	
81												✓	not reviewed
82	H	3										S ✓	
83												✓	not reviewed
84	F	3										S ✓	difference between activity and discharge understood?
85	F	3										S ✓	
86	F	3										S ✓	
87	H	3										S ✓	
88	H	3										S ✓	Answer? Typo in stem, "syatem". Assume RPV water does not change? ✓
89													90 ⇒ No source/inf. info. 97 ⇒ 100 need Q's

#77
Needs
REVISION
REPLACE#81
Needs
REV or
REPLACE

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		56. U/E/S	67. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q# K/A	SRO Only		
<u>SRO</u> 1	H	3													K/A
2	F	2													"
3	F	2													"
4	H	3													"
5	H	3										✓		E	See marking K/A
6	H	3													K/A
7	H	3												E	See marking K/A
8	F	3				✓								E	DCred? K/A
9	H	2													K/A
10	H	3													K/R
11	H	2												E	See marking
12	H	3													
13	H	3												E	See marking
14	H	2										✓		U	Not SRO?
15	F	2			✓									E	C length are
16	F	2				✓								U	A/B/D cred?
17	H	3													
18	F	2											✓	U	Not SRO?
19	H	3													
20	H	3											✓	U	" " ? See marking

Redo

Use.

