

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		N	S	
2	F	3										Y		B	S	
3	F	2										Y		B	S	
4	F	3										Y		N	S	
5	F	4										Y		B	S	
6	F	3										Y		B	E	Reformat Q into a 2X2
7	F	2										Y		B	S	
8	F	2										Y		B	S	

## 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.
  - 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).
- 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 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).
- Enter question source: (B)ank, (M)odified, or (N)ew. Check that (M)odified questions meet criteria of ES-401 Section D.2.f.
- 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?
- At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).

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9	H	3										Y		N	S	
10	H	3										Y		B	S	
11	H	3										Y		M	S	
12	F	4										Y		M	S	
13	H	2										Y		N	S	
14	F	2										Y		N	S	
15	F	3										Y		N	S	
16	H	3										Y		M	S	
17	H	4										Y		B	S	
18	F	3										Y		N	S	
19	H	4										Y		N	S	
20	H	4										Y		B	S	
21	F	2										Y		B	S	
22	H	3										Y		M	S	
23	H	4										Y		B	S	
24	H	3										Y		N	S	
25	F	3										Y		M	S	
26	H	2										Y		B	S	
27	F	3										Y		B	S	
28	H	3										Y		B	S	

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29	H	2										Y		B	S	
30	H	2										Y		B	S	
31	H	3										Y		N	S	
32	F	3										Y		N	S	
33	F	2										Y		B	S	
34	H	2										Y		B	S	
35	F	2										Y		B	S	
36	F	3										Y		N	S	
37	H	4										Y		B	S	
38	F	4										Y		N	S	
39	H	3										Y		B	S	
40	F	2										Y		B	S	
41	F	2										Y		B	S	
42	H	2										Y		N	S	
43	F	3										Y		N	S	
44	F	3										Y		M	S	
45	F	2										Y		B	S	
46	F	2										Y		B	S	
47	F	3										Y		B	S	
48	F	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			
49	H	3										Y		B	S	
50	H	2										Y		B	E	Removed shading and titles from graph
51	H	2										Y		M	S	
52	H	2										Y		N	S	
53	H	3										Y		B	S	
54	F	3										Y		N	S	
55	H	2										Y		B	S	
56	F	2										Y		B	S	
57	H	2										Y		N	S	
58	F	3										Y		M	S	
59	H	3										Y		N	S	
60	H	3										Y		B	S	
61	H	2										Y		B	S	
62	F	2										Y		N	S	
63	H	2										Y		B	S	
64	H	2										Y		B	S	
65	H	3										Y		B	S	
66	F	1										Y		B	U	LOD=1, Resampled for new K/A, wrote new Q
67	H	2										Y		B	S	
68	H	3										Y		B	S	

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69	H	2										Y		B	S	
70	F	3										Y		B	S	
71	B	1										Y		B	U	LOD=1, Basic rad worker Q. Wrote new Q at RO level.
72	H	3										Y		B	S	
73	F	3										Y		B	S	
74	F	2										Y		N	S	
75	F	2										Y		B	S	
76	H	3										Y	Y	B	S	
77	H	3										Y	Y	N	S	
78	H	2										Y	Y	N	S	
79	H	2										Y	Y	B	S	
80	F	2										Y	Y	N	S	
81	F	3										Y	Y	N	S	
82	H	3										Y	Y	B	S	
83	H	2										Y	Y	B	S	
84	H	2										Y	Y	N	S	
85	F	2										Y	Y	B	S	
86	H	2										Y	Y	B	S	
87	H	2										Y	Y	B	S	
88	F	2										Y	Y	M	S	

[illegible]