Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6.	7.
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only	U/E/S	Explanation
1	H	3												S	
2	F	2												S	
3	H	3												S	
4	F	2												S	
5	H	3												S	
6	H	3												S	
7	H	3												S	
8	H	3												S	

Instructions

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1.   Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.

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   - The question requires reverse logic or application compared to the job requirements.

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6.   Based on the reviewer's judgment, is the question as written (U)nacceptable , in need of (E)ditorial enhancement, or (S)atisfactory?

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| Q# | 1. LOK (F/H) | 2. LOD (1-5) | 3. Psychometric Flaws | | | | | 4. Job Content Flaws | | | | 5. Other | | 6. | 7. |
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only	U/E/S	Explanation
9	H	3												S	
10	H	3												S	
11	H	3												S	
12	H	3												S	
13	H	3										?		S	KA mismatch Plant Response? OK after review
14	H	3												S	
15	F	2												S	
16	H	3												S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only	U/E/S	Explanation
17	H	3												S	
18	H	3												S	
19	H	3												S	
20	H	2												S	
21	F	2												S	
22	H	3												S	
23	H	3												S	
24	F	2												S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only		
25	H	3												S	
26	F	2												S	
27	H	2												S	
28	F	2												S	
29	F	2												S	
30	F	2												S	
31	H	2												S	
32	F	2												S	

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| Q# | 1. LOK (F/H) | 2. LOD (1-5) | 3. Psychometric Flaws | | | | | 4. Job Content Flaws | | | | 5. Other | | 6. | 7. |
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only	U/E/S	Explanation
33	F	2												S	
34	H	3												S	
35	F	2												S	
36	H	3												S	
37	F	2												S	
38	F	2												S	
39	F	3												S	
40	H	3												S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward	Q=K/A	SRO Only		
41	F	2												S	
42	H	3				X								U	Implausible distractors - fixed
43	H	2												S	
44	H	2												S	
45	F	2												S	
46	F	2												S	
47	F	2												S	
48	F	2												S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only	U/E/S	Explanation
49	F	2												S	
50	H	3												S	
51	F	2												S	
52	H	3												S	
53	H	3												S	
54	H	3												S	
55	H	3												S	
56	H	3												S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only		
56	H	3												S	
57	H	3												S	
58	H	3												S	
59	H	3												S	
60	F	2												S	
61	H	3												S	
62	H	3												S	
63	H	3												S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only	U/E/S	Explanation
64	H	3												S	
65	H	3												S	
66	F	2												S	
67	F	2												S	
68	H	3												S	
69	H	2												S	
70	F	2												S	
71	F	2												S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only	U/E/S	Explanation
71	F	2												S	
72	H	3												S	
73	F	2												S	
74	F	2												S	
75	H	3												S	

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76	H	3												S	
77	H	3												S	
78	H	3												S	
79	H	3												S	
80	H	2												S	
81	H	3												S	
82	H	3												S	
83	F3													S	

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84	H	3												S	
85	H	3										U		U	Determine rod position – use a diagram - fixed
86	H	3												S	
87	H	3												S	
88	H	3												S	
89	H	3												S	
90	H	3												S	
91	H	3												S	

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 One or more distractors are is 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).

f.   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?

7.   At a minimum, explain any "U" ratings (e.g., 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 | | 6. | 7. |
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/ units	Back-ward	Q= K/A	SRO Only	U/E/S	Explanation
92	H	3												S	
93	H	3												U	DLO with reference - removed
94	F	3												S	
95	H	3												S	
96	H	3												E	Clarify power level in relation to access limit - fixed
97	H	2												S	
98	H	2										U		U	KA MM - Replaced
99	F	2												S	
100	H	2												S	

Instructions

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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).

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   - The stem lacks sufficient focus to elicit the correct answer (e.g., unclear intent, more information is needed, or too much needless information).
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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).

g.   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?

7.   At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).