

Written Examination
Review Worksheet (Millstone 2)

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward	Q# K/A	SRO Only		
1	H	3												S	N
2	H	4												S	N
3	H	3												S	M
4	F	3												S	M SRO only
5	H	3											x	S	M Not SRO only. Not counted as SRO only
6	F	3												S	B
7	F	3												S	N
8	F	2												S	M SRO only
9	F	3												S	M
10	H	3												S	N

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		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q# K/A	SRO Only		
11	F	3												S	N
12	H	3											x	S	M Not SRO only Not counted as SRO only
13	F	3												S	B
14	F	2												S	M
15	F	2										x	x	E	B Not SRO only Rewordrd and not counted as SRO only
16	H	1	x			x								U	N Non discriminating & more than 1 distractor not credible Replaced
17	H	3											x	S	B Not SRO only & typo in justification Not counted as SRO only
18	F	2												S	M
19	F	1												U	B Non discriminating Replaced
20	H	3												S	B
21	H	1	x										x	U	N Not SRO only & non discriminating Replaced with SRO only
22	F	3												S	B
23	H	3												S	M SRO only
24	H	3												S	B
25	H	3												S	N
26	F	3												S	N
27	F	1										x		U	N Non discriminating & K/A mismatch Replaced
28	F	2												S	M
29	F	2											x	S	N Not SRO only Not counted as SRO only
30	F	2												S	M

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q# K/A	SRO Only		
31	H	3												S	N
32	F	2												S	B SRO only
33	H	3												S	N
34	H	3											x	S	B Not SRO only Not counted as SRO only
35	F	2											x	S	M Not SRO only Not counted as SRO only
36	F	2												S	N SRO only
37	F	3												S	B
38	F	1												U	B Non discriminating Replaced SRO only
39	F	3												S	N
40	F	3	x											S	B Not SRO only Not counted as SRO only
41	H	3					x					x		E	B Is "d" correct also? Revised distractor "d"
42	F	2												S	N SRO only
43	H	4												S	M
44	H	3												S	B
45	H	3												S	M
46	H	3												S	M
47	H	3												S	B
48	H	3												S	M
49	F	2												S	M SRO only
50	H	3												S	M SRO only

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q# K/A	SRO Only		
51	F	3												S	N
52	F	3											x	S	M Not SRO only Not counted as SRO only
53	H	3												S	M
54	F	2												E	B SRO only Use of "could" is loose Changed could to will
55	F	2											x	S	N Not SRO only Not counted as SRO only
56	F	2												S	B
57	H	1				x								U	N Non discriminating Replaced
58	H	3												S	B
59	H	3												S	M
60	H	3												S	M
61	F	3												S	B SRO only
62	H	3												S	M SRO only
63	H	3											x	E	M Not SRO only Editorials in stem Not counted as SRO only
64	H	3												S	M
65	H	3												S	M
66	H	3												S	B
67	H	3												S	M
68	H	3												S	M SRO only
69	H	3												S	B
70	F	3												S	M

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q# K/A	SRO Only		
71	H	1	x											U	N Non discriminating Extra words in stem Replaced
72	F	3												S	B
73	H	3												S	B
74	F	2												S	N
75	H	3												S	B
76	H	3												S	M SRO only
77	H	1												U	M Non discriminating Replaced
78	H	2												E	B "a" & "c" appear to be the same Revised
79	H	3												S	M SRO only
80	H	2												S	M
81	H	3	x											U	M Must state order in which actions occur Revised
82	F	3												E	B Use of "best method" is loose Revised
83	H	3												S	N
84	F	2												S	M SRO only
85	H	2												S	B
86	H	2												S	M
87	F	2		x										E	B Change "any valve" to "the valve"
88	H	3												S	B SRO only
89	H	3												S	N SRO only
90	H	3	x											U	M "a" & "d" also correct SRO only Revised

Millstone 2

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q# K/A	SRO Only		
91	H	3												S	B SRO only
92	F	2												S	B SRO only
93	H	2											x	S	B Not SRO only Not counted as SRO only
94	F	2												S	B SRO only
95	F	2												S	N SRO only
96	F	2												E	M SRO only Does 10CR50.54x&y apply? Revised
97	F	1												U	B Non discriminating SRO only Replaced
98	H	3											x	E	B Not SRO only Revised
99	F	2												S	B SRO only
100	H	3												S	N
															SUMMARY of REVIEW
															27 SRO questions
															80 Sat 11 Unsat and 9 Editorial questions
															56 higher level and 44 fundamental questions
															25 new, 38 modified, and 37 bank questions

Facility: <u>Millstone Unit 2</u>		Date of Examination: <u>3/12/2001</u>
Exam Level (circle one): RO / SRO(I) / <u>(SRO(U))</u>		Operating Test No.: <u>1</u>
B.1 Control Room Systems		
System / JPM Title	Type Code*	Safety Function
a. Pressurizer / Forcing Pressurizer Sprays	N,A,S	3
b. CVCS / Securing Emergency Boration <i>-Revised to make Safety significant</i>	D,S	1
c. 4160v Electrical / Energize 24C from 14H (Unit 1) <i>Replaced due to Mod in Plant. (Facility initiated)</i>	D,S	6
B.2 Facility Walk-Through		
a. Main Steam / Local Manual Operation of "A" Atmospheric Dump	D,A,R	4
b. RBCCW / Placing a CAR RBCCW valve in manual local <i>Changed valve to make more accessible (Facility Initiated)</i>	N,R	5
*Type Codes: (D)irect from bank, (M)odified from bank, (N)ew, (A)lternate path, (C)ontrol room, (S)imulator, (L)ow-Power, (R)CA		

** Changes made during prep week, but facility initiated.*