

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	Backward		
008	H	1										U	Discrimination too low
009	F	2										S	
013	H	3					D					E	D is the result of Xenon presence
014	F	3				✓						E	B & C are similar - one should be changed
032	H	3	✓				A,B,C					U	The stem does not ask for the reason for maintaining post shutdown cooling, only possible results.
051	F	2										S	
057	F	3										S	
058*	F	2						✓				U	Does not test at SRO level
068	H	3					?					S	Is there any overlap between the wide range values and C?
080	H	3					A					E	A is true if vacuum pump trips after condenser pressure goes below set point. K/A link weak
082	H	3		D			C					E	The stem does not constrain the answer to $\leq 5$ min.
083	H	3										E	Weak K/A link
085	F	3									✓	S	
086	F	2	✓									E	Only one piece of information is needed to obtain the correct answer.
088	F	2					D					E	D is a subset of C and therefore true.
100	F	2		D								E	D wording is different. Suggest replace "saturated conditions" with "saturation"
108	F	3										S	
112	H	3										E	Suggest adding "level" to wording of B
117*	H	3						✓				U	Does not test at SRO level
119	F	2										S	
120	F	1										U	Discrimination too low
122	H	3		A								E	Part of the knowledge being tested is that the valve is normally throttled.
126	H	3										S	
132*	H	3										S	
142	H	2				A, B						U#	A & B do not call for action with 2 alarms in on a reactor coolant pump.

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145*	F	1				A		✓				U	Discrimination too low. Does not test at SRO level
147*	H	2				A, D		✓				U	A="none of the above." "It depend" is vague - D easily discarded. Does not test at SRO level.
163	H	3										S	
195	H	3										S	
196	H	3										S	
197*	H	4						✓	✓			U	Does not test at SRO level. Low job relevance.
198	H	3				A, D						E	A="none of the above." D is unique which makes it suspect.
199	H	2		D								E	D stands out. Suggest adding another floor drain choice. K/A link weak
200	H	3										E	K/A link weak
201	H	3										S	
202*	H	3										S	
203*	H	3				A, B		✓				UE	Actions of A & B appear to be very non-conservative. Does not test at SRO level
204	H	2										S	
206	H	3				D						E	Starting a reactor coolant pump on a diesel generator does not appear credible
207	F	2					D			✓		E	D is a subset of C. Procedures use % level indication vice inches used in question.
208	H	2										S	
209	H	2		✓								E	Changing the order of "actual" and "indicated" in the choices may add needless distraction.
210	F	1										U	Discrimination too low
211	H	12										US	Discrimination too low
212	H	3										S	
213*	H	3						✓				U	Does not test at SRO level.
214	H	3										S	
215	F	2				D						E	D=none of the above
216*	F	2						✓	✓			U	Does not test at SRO level.
217	H	2										S	

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218	H	2										S	
219	F	2									✓	S	
220	H	3										S	
221	H	3										S	
222	F	2										S	
223	H	3										S	
224*	H	3										S	
225	H	3	✓				B					E	Stem does not ask for optimum or preferred; therefore, B is also correct
226	H	3										S	
227	H	2									✓	E	The focus is on count rate indication. Choices should contain count rate information 1 <sup>st</sup> .
228	F	2										S	
229	H	3										S	
230	H	3										S	
231	H	2										S	
232	H	2	✓				✓					E	Stem focus allows room to argue other choices
233	H	3										S	
234	H	2	✓				✓					E	The stem (procedure) does not preclude B, C or D.
235	H	2										S	
236	F	1										U	Discrimination too low
237	F	2										S	
238	F	12						✓				US	Discrimination too low (Procedure often posted)
239	F	1										U	Discrimination too low
240	H	54							✓			U#S	Beyond expected closed reference knowledge and RO responsibility
241	F	4				C, D						U#S	When would breakers be placed in these positions?
242	F	4							✓			E	Not expected closed reference knowledge.

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243*	H	3										S	
244*	H	3				B						E	B not credible for given conditions.
245*	H	4										S	
246	H	3										S	
247	H	4				B						E	B is unique. Suggest adding "to..." phrase similar to A or C. Does not test the K/A
248	H	3										S	
249	F	3										S	
250	F	3						✓			✓	U	Does not test relevant knowledge. Weak K/A link
251	H	2										S	
252*	H	2										S	
253	H	3				C, D						E	D appears excessive. C is less credible than D
254	F	2										S	
255	H	2										S	
256	F	2										S	
257	F	5						✓				U#	Requires information not in ANO operational procedures or guidance.
258	H	3				A, B						U#S	A & B are "motherhood" challenges - no more than one channel in bypass
259*	F	1						✓	✓			U	Discrimination too low. Weak link to job. Does not test at SRO level.
260	F	2										S	
261	H	2										S	
262	H	2										S	
263	H	4										S	
264	H	3										S	
265	H	3										S	
266	H	3					B					E	B is correct with certain assumptions
267	H	4										S	

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268	H	54										U#S	Beyond expected knowledge in closed reference question.
269*	F	2										S	
270	H	2										S	
271	H	2				B, C						U	Nothing suggests RCS leakage.
272	H	2				A, C						U	A does not address abnormal events. C - nothing suggests a control room evacuation.
273	H	2										S	
274	H	3										S	
275	F	2										E	K/A link weak.
276	H	3										S	
277	F	3										S	
278	H	3										S	
279	H	3										S	
280	H	2										S	
281	H	3										S	
282*	H	3						✓				US	Does not test at SRO level.
283	H	4										E	The reference provided does not confirm the answer.
284*	H	2										S	
285	H	3					D					E	D appears acceptable even though not procedurally driven.
286*	H	4	✓									E	Would answer change if RCPs off? If so, provide information that indicates that they are running.
287*	H	2	✓					✓				U	Given the immediacy for reactor trip, info in last bullet not expected. Does not test at SRO level.
288*	F	2						✓				U	Does not test at SRO level.
290*	H	2										S	
291*	H	3										S	
292*	H	3										S	
293*	H	2										E	The reference provided does not clearly confirm the correct answer.

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### Instructions

[Refer to 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.
- 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.