

DC COOK 2010 Initial License Exam

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	Backward	Q=K/A	SRO Only				
1	H	2											Y		N	S	
2	H	3											Y		B	S	
3	F	2											Y		B	S	1/2
4	H+	3				X							Y		B	S	½ Not plausible that That would rise post reactor trip/turbine trip with RCS flow in other loops. For "D" distractor, suggest Tcold and That remain stable. RE: 2 validators chose distractor "D" as a correct answer. Possible misconception – acceptable.
5	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).

A "+" in the "Q#" column indicates that question was reviewed as part of the representative sample of 30 questions.

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6	H	2										Y		N	S	1/2
7+	H	3										Y		N	S	
8	H	3										Y		N	S	1/2
9	H	3										Y		B	S	½ Are RO's taught basis for AOP'S? RE: Yes same as SRO objectives.
10	F	3										Y		B	S	
11+	H	3										Y		B	S	
12	H	4										Y		M	S	
13	F	2										Y		N	S	
14+	F	2										Y		B	S	
15	H	1										Y	X	N	U	This is a direct look up. Do RO's need to know how to navigate TRMs? RE: Modified question such that RO's do not need to know time req'ts of TRM. Deleted reference material.
16	F	2										Y		B	S	
17	H	2										Y		B	S	
18+	F	3										Y		N	E	Nothing in reference provided provides basis for correct answer! RE: Will provide references during OV week. RE: Have references provided via CD! RO's expected to know this information.
19	H	4										Y		B	S	
20	H	3										Y		B	S	
21+	H	3										Y		B	S	I didn't understand the reasons provided for the incorrect answers. Wouldn't distracters A & C cause Regen Hxer outlet temp (chg flow) to rise, but would not account for rise in CCP flow rates?! RE: Changed wording of explanation for A & C distracters being incorrect.
22	H	3										Y		M	S	
23	H	3										Y		B	S	
24	F	3										Y		B	S	

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			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only				
25+	F	2											Y		N	S	
26	H	4											Y		M	S	
27	H	3											Y		N	S	1/2
28+	H	3											Y		M	S	
29	H	2											Y		B	S	
30	F	2											Y		B	S	
31+	F	2											Y		B	S	
32	F	2											Y		B	S	
33	H	2											Y		B	S	
34+	H	3											Y		M	S	
35	F	3											Y		B	S	
36	H	3											Y		M	S	
37	H	4											Y		N	S	2 gpm loss from letdown, but 8 gpm loss from RCPs? That's 2 gpm per pump??! RE: Examiner reeducated!
38+	H	4											Y		B	S	
39	H	4					X						Y		B	U S	With Rx trip, P10 condition to deenergize SR instruments is not satisfied. Therefore distracter "A" is correct. RE: P10 fails in the tripped condition, thus deenergizing both SR NI's.
40	F	3											Y		B	S	
41	H	3											Y		B	S	
42+	F	3											Y		B	S	What is feedwater conservation, and why will it not occur? RE: Means if there is a line break, don't put all water on floor. Throttle flow.
43	H	2											Y		B	S	
44	H	2											Y		N	E	Acceptable 'level'? RE: Will use "Range"

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45+	H	2											Y		N	S	
46	H	2											Y		N	S	
47	H	2											Y		N	U S	Is there a difference between answers if there was a steam line isolation trip vs an OTDT trip? Reference material provided does not support Distractor "C"! RE: No MSL Isolation trip for PWR design. 1085 won't lift per simulator eval. Keep Q as is.
48+	F	2											Y		B	S	
49	F	3											Y		B	S	May want to capitalize "FAILURES." RE: Don't capitalize failures at DC Cook.
50	F	3											Y		M	S	
51+	H	2											Y		B	S	1/2
52	F	2											Y		B	S	
53	H	3											Y		B	S	
54+	H	3											Y		B	S	
55	H	2											Y		B	S	
56	H	2											Y		B	S	What design of EDG do they have? (Not EMD!) Woodward EDGs spin at 514 rpm.
57+	F	2											Y		N	S	
58	F	2											Y		B	S	
59	F	3											Y		M	S	
60+	F	3											Y		B	S	
61	F	2											Y		B	S	
62	H	2											N		B	U	What does this question have to do with RBCCW or TBCCW water temperatures? RE: Replaced Q with Q from Watts Bar.
63+	F	2											Y		B	S	
64	F	2											Y		B	S	

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65	H	2										Y		B	S	
66	F	3										Y		B	S	
67+	F	2										Y		B	S	
68	F	2										Y		N	S	
69	F	2										Y		B	E	"D" distracter does not appear to be plausible. How can equip be in an LCO but be operable? RE: Changed D distractor.
70+	F	2										Y		B	S	
71	F	2										Y		B	S	
72	H	3										Y		B	S	
73	H	2										Y		B	S	
74+	F	3										Y		B	S	Are RO applicants expected to memorize fold out page conditions in Emergency procedures? RE: Yes.
75	F	3										Y		B	E	Typo in "D" distracter. RE: Corrected.
76+	H	3										Y	Y	M	S	TS 3.1.4.B would be more restricted. Is it possible SRO applicant would say "B" is correct answer? RE: SRO training includes that BOTH TS's are to be entered.
77	H	2										Y	Y	N	E	Not "F" question since must analyze given conditions and determine ATWS exists and procedural references must be known. RE: Changed to H.
78	H	3										Y	N	M	E	Not "F" question since must analyze given conditions and determine procedural usage. Not a memory question. RE: Changed to H.
79+	H	3										Y	N?	M	E	Would SRO applicants alone know this? RE: Direct actions... and add procedure references to "B" and "C" distracters. RE: Modified question to two part answer, added references to distracters "B" & "C".
80	H	2										Y	Y	B	S	
81	H	3										Y	Y	N	S	
82	H	2										Y	Y	B	S	

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83+	H	1											Y	Y	N	U	½, Part 2 of this question (ODCM) is a direct lookup. RE: Will review later!
84	F	3											Y	N	N	S	How is this a SRO only question? RE: The SRO only part is the application of the note through the implementation of the step. The Notes in the ECA are SRO only knowledge.
85	H	2		X									Y	Y	B	U	1. Should not be providing applicant basis section of TS to answer this question. TS 3.0.3 is not provided with reference for this question. 2. Direct look up from TS. RE: 1. Licensee changed the way references are provided such that references are in "book" order rather than in "test" order. 2. LsubA is not information known to operators. Deleted reference to LsubA and simply stated that cmt leakage was sat and unsat.
86+	F	3											Y	Y	B	S	
87	H	3											Y	Y	B	S	
88	H	3											Y	Y	B	S	
89+	F	2											Y	Y	M	S	
90	H	3											Y	Y	B	S	
91	F	2											Y	Y	N	S	
92	H	3											Y	Y	B	S	
93+	H	3											Y	Y	B	E	
94	H	3											Y	Y	B	S	1/2
95	H	3											Y	Y	B	S	
96	H	3											X	Y	B	U S	How does this meet K/A for TS? RE: The references are part of TS.
97+	H	3											Y	Y	M	S	
98	F	3											Y	Y	B	S	
99	H	2											Y	Y	B	E	Not an "F" rating, since applicants must review various system parameters and determine which CSF path is most important. RE: Changed to H.

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100	F	3											Y	Y	B	S	

Comment about references provided: 1. Each question using references should have “**References Provided**” at the end of the question but without telling the applicant what references he/she should look at. 2. All references to question numbers should be deleted from the references provided. Applicant should have enough knowledge to determine which documents from references provided are required to answer the question. Licensee response: The licensee agreed to remove direct references for each question and revise the examinee cue to, “**References Provided.**” Additionally, the references are now in “book” order rather than in “question” order.