S-4	01										/ritten Review				RO Exam/1 ⁵⁴ 75 Qs of SRO Exam
<u> </u>	1.	2.		3. Psyc	hometri	c Flaws		4.	Job Cont	ent Fla	aws	5. O	ther	6.	7.
Q#	LOK (F/H)	LOD (1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only	U/E/S	Explanation
1	н	4										1		Ş	
53	Н	3	Χ_			X						5		C	PZR will go solid; No correct answer
3	F	3										\checkmark		S	
4	Ŧ	3					-					V		Ś	
5	Н	ч									-	\checkmark		5	
6	Н	2										1		5	
η	Н	i				X						1		υ	IF pump trips, the C/D rate CAN'T improve
															=> distractors a + d can't work/implausible
B	H	2										V		5	
1.	Ent	er the le	evel of kr	nowledg	-				1 and App either (F)		B for ad		l inforn		egarding each of the following concepts.]
2. 3.	Che - - - - -	eck the a	appropri The ster The ster The ans The One One or r	ate box n lacks n or dis wer cho or mon nore dis	t if a psy sufficie tractors bices ar e distra stractors	ychomet nt focus contair e a colle actors ar s is (are	ric flaw i to elicit cues (i ction of e is n ot) partiall	is ident the co e., clu unrelat credibl y corre	tified: orrect ans es, specifited true/fa le; single ect (e.g., if	wer (e fic dete alse sta implau	g., uncle erminers atements sible dis	ear inte , phras s. tractor	ent, mo sing, lei	re inforr ngth, etc ld be re	ns in the 2 - 4 range are acceptable). nation is needed, or too much needless information). c). paired, more than one is unacceptable. ssumptions that are not contradicted by stem).
4.		-	The que The que The que The que	stion is stion re stion co stion re	not link quires f ontains quires f	ed to the the reca data with reverse	e job red I of knov n an unr logic or a	uireme Medge ealistic applica	ents (i.e., that is to level of a tion comp	o spec accura bared t	ific for th cy or inc o the job	ne clos onsiste requir	ed refe ent unit rements	erence te s (e.g., s.	written, is not operational in content). est mode (i.e., it is not required to be known from memory). panel meter in percent with question in gallons).
5. 6.					_	-									ted <u>SRO-only</u> (K/A and license level mismatches are unacceptable). cement), in need of (E)ditorial enhancement, or (S)atisfactory?
o. 7.			um, exp	•	•		•		• •	•	•		•		

.

ES-401

ł

:

2

Form ES-401-9

	1.	2.	:	3. Psyc	hometr	ic Flaw	s	4.	Job Con	tent Fla	aws	5. C)ther	6.	7.	
Q#	LOK (F/H)	LOD (1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia		Back- ward	Q= K/A	SRO Only	U/E/S	Explanation	
9	Н	3										1		5		
10	F	2			•							J		5		
11	н	3		X								J		(با	eliminate " loss of heat sink" in stem	
12	F	3										V		5		
13	H	2										V		5		
14	F	4	X									V		ØĘ	First two sentences are not necessary	
15	F	4										1	,	5		
16	F	3						ļ				V		5		
17	Н	3										V		5		
18	н	3				Х						V		Ŀ	All choices are "restriction"s => Ask which is the	"correct"
19	н	ч										Ĵ	_	5		
20	н	3										V		5		
21	н	3										J		5		
22	Н	3										V		5		
23	F	3										7		5		
24	F	<u>i</u>		·		×						v		C	100=1	
25	Н	4										V		S		
26	Н	4/5						X				J		U	Not Rolevel Q ; no learning objective	
27	Н	3										V		5	· · · · · · · · · · · · · · · · · · ·	
18	F	3										V		5		

33 of 33

NUREG-1021, Revision 9

ES-401

1

ł

2

Form ES-401-9

	1.	2.	3	8. Psych	nometr	ic Flaw	3	4.	Job Cont	tent Fla	iws	5. C	ther	6.	7.
Q#	LOK (F/H)		Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia		Back- ward		SRO Only	U/E/S	Explanation
29	F	3										\checkmark		5	
30	F	i			•			X	X			Ń		С	LOD = 1 ; GFES Q
31	F	1										V		Ú	LOD=1
32	F	3										V		S	
33	F	2										V		5	
34	н	3										V		5	
35	н	4 .										J		5	
36	н	Ч									-	V		5	
37	Н	4										V		5	
38	F	3)		5	
39	F	3										V		5	·
40	F	1										~		С	LOD=1 (what's purpose of FR-Z.1?)
41	F	3										V		5	
42	Н	3				X						~		E	Too open-ended ; limit time after Rx trip
43	F	2								ļ		V		5	,
44	F	2										\checkmark		5	
45	н	2										V		E	Distractor a: eliminate "snap open"
46	F	3										~		5	
47	F	3										V		5	
48	н	3			<u> </u>							V		Ē	Move "disconnect opening " into Q section

NUREG-1021, Revision 9

,

F0 404		
ES-401	2	Form ES-401-9

.

.

;

Q#	1. LOK	2. LOD	3	3. Psyc	hometr	ric Flaw	s	4.	Job Cont	ent Fla	aws	5. C	ther	6.	7.
<u> </u>	(F/H)	(1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia		Back- ward	Q= K/A	SRO Only	U/E/S	Explanation
49	н	3										s		\$	
50	Н	3			•							1		5	
51	н	3										V		\$	
52	F	2										5		5	
53	н	3										>		5	
54	н	Ч										\$		5	
55	н	3										>		5	
56	н	4						X				1		U	Not RO Q; no learning objective
51	н	4										~		5	
58	н	3										>		E	Re-arrange Q: "Given the conditions",
															Then "What alarm will energize?"
59	ы	4										>		5	
60	F	3										\checkmark		S	
61	F	3										>		Ē	Don't use exact setpoint, 4.1 %.
62	F	3										8		5	
63	н	3										5		Ĕ	clean up stem format
64	F	3										\checkmark		5	
65	Н	3										~		E	Better Q: "Describe auto system response
66	F	i							X			Ý		C	LOD=1
67	н	3										1		5	

33 of 33

NUREG-1021, Revision 9

ES-401	2	Form ES-401-9

、 ′

ļ

;

	1.	2.	3	. Psycl	nometr	ic Flaw	\$	4.	Job Con	tent Fla	aws	5. Other		6.	7.	
Q#	LOK (F/H)		Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only	U/E/S	Explanation	
68	F	3										\checkmark		5		
C	Н	ч			·							V		5		
70	F	2						X				\checkmark		U	Not operationally important - operator	
															can't control	
11	н	ч										\checkmark		5		
72	F	4					<u> </u>					1		5		4.
73	Н	3		X								V		E	Stop stem affer "see Red path on core ce	coling."
74	F	3										1		5		
75	F	4										\checkmark		E	Add EPIP reference to stem	
						L										
					[ļ		
		<u> </u>	<u> </u>				<u> </u>		<u> </u>					ļ		
							ļ		[
				ľ		L				<u> </u>						
						<u> </u>										
						<u> </u>	<u> </u>	ļ	<u> </u>	<u> </u>	<u> </u>	\square		_		
					L				<u> </u>	·				<u> </u>		
	<u> </u>															

NUREG-1021, Revision 9

33 of 33

ES-4	01										/ritten Review				SRO - only Form ES-401-9	
~ #	1.	2.	3	3. Psyc	hometri	c Flaws		4. Job Content Flaws					ther	6,	7.	
Q#	LOK (F/H)	LOD (1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward	Q= K/A	SRO Only	U/E/S	Explanation	
(Н	Ц										\checkmark	\checkmark	5		
2	н	3										~	\checkmark	8E	Rust level is right on setpoint; change	
3	н	Ц										\checkmark	V	5		
4	Н	2										\checkmark	\checkmark	Ē	Don't use "should" in Q	
5	F	F 3 V V S														
ð	н															
1	н	3										~	\checkmark	Ē	Don't use "should" in Q	
8	1-1	3										~	V	5		
9	Ł	3				X			5			1	V	E	Distractors b and d very similar	
					[Refer	to Secti	on D of	ES-40	1 and App	oendix		structi ditiona		nation re	egarding each of the following concepts.]	
1. 2.					•	•	•		either (F)				Ŷ		rel. ns in the 2 - 4 range are acceptable).	
2. 3.		ck the a T T T	appropria The sterr The sterr The answ	ate box I lacks I or dis ver cho	if a psy sufficie tractors pices ar e distra	chometi nt focus contain e a colle actors ar	ric flaw i to elicit cues (i ction of re is n ot	is iden the co e., clu unrela credibl	tified: prrect answers, specifited true/fate	wer (e. ic dete alse sta	.g., uncle erminers atements sible dis	ear inte , phras 5. tractor	ent, mo sing, le	re inforr ngth, etc ld be re	mation is needed, or too much needless information).	
4.	Che	ד ד ד	he ques he ques he ques	stion is stion re stion co	not link quires f ntains	ted to the the recal data with	ll of knov h an unr	luireme Medge ealistic	ents (i.e., that is to	o spec Iccurat	ific for th cy or inc	ne clos onsiste	ed refe	erence te s (e.g.,	e written, is not operational in content). est mode (i.e., it is not required to be known from memory). panel meter in percent with question in gallons).	
5.						-									ated SRO-only (K/A and license level mismatches are unacceptable).	
6. -					•		•				-				cement), in need of (E)ditorial enhancement, or (S)atisfactory?	
7.	At a	minimu	ım, expl	ain any	"U" rat	ings (e.	g., how t	he App	pendix B p	osycho	metric a	ttribute	es are i	not bein	g met).	

÷

ES-401	

.

ł

:

2

Form ES-401-9

	1. LOK	2.	3. Psychometric Flaws		4.	Job Cont	tent Fla	aws	5. C	ther	6.	7.				
Q#		LOD (1-5)	Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia		Back- ward		SRO Only	U/E/S	Explanation	
10	H	3										V	V	5		
11	н	3										v	V	5		
12	F	4				X						1	2	Ĕ	Replace 2 nd sentence in Distractor a	
															with "Continue in E-0/E-1."	
13	F	3				L						V	r	5		
14	н	3										r	v	5		
15	F	3										v	\checkmark	5		
16	н	4										v	V	U	No correct answer	
17	н	3										~	V	Ē	Add conditions that indicate full-core off-lo	cd.
18	F	2										~	r	٤		
19	F	3				x						\checkmark	~	E	Modify Q to "What actions, if any,"	
20	F	2.										~	~	5		
21	F	3				ļ	· .					V	~	Ē	Fix grammar so a stem works with	
															distractors c and d. water	
22	F	2				X						V	~	E	Replace distractor a with 2 hours	
23	F	3		·								~	v	5		
24		3										~	r	5		
25	н	3	X									~	~	E	stem: more "occurred" to just after	
								<u> </u>							"trip"; eliminate " Intermedicate	
L															Building, etc.	

33 of 33

NUREG-1021, Revision 9