

| 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 | Backward | Q=K/A    | SRO Only |          |                |  |
| 1N | F            | 2            |                       |      |     |             |         |                      |         |         |          |          | U        |          | U<br>S         | A, CR, 43.10. This is a KA mismatch because the question is not focused on the ability to make reports.<br><a href="#">This question was rewritten.</a>  |
| 2N | F            | 3            |                       |      |     |             |         |                      |         |         |          |          |          |          | S              | D, CR, 43.7.   |
| 3N | F            | 2            |                       |      |     |             |         |                      |         |         |          |          |          |          | S              | A, CR, 43.10.  |
| 4N | F            | 2            |                       |      |     |             |         |                      |         |         |          |          |          |          | S              | B, CR, 43.10.  |
| 5B | H            | 3            |                       |      |     |             |         |                      |         |         |          |          |          |          | S              | A, OR, 43.10.  |
| 6N | H            | 2            |                       |      |     |             |         |                      |         |         |          |          |          |          | S              | D, OR, 43.12.  |
| 7B | F            | 1            |                       | U    |     |             |         |                      |         |         |          |          |          |          | U<br>S         | D, OR, 43.12. This is a direct lookup.<br><a href="#">After discussion with the facility, it was determined this is not a direct lookup.</a>   |
| 8N | F            | 4            |                       |      |     |             |         | E                    |         |         |          |          |          |          | E<br>S         | D, CR, 43.10. This question is E because it tests on subsequent actions in an AOP is this is not typically considered a memory item.<br><a href="#">This question is considered as required knowledge by the facility.</a> |
| 9N | F            | 3            |                       |      |     |             |         |                      |         |         |          |          |          |          | S              | C, CR, 43.10.  |

**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.
  - One or more distractors is (are) 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 questions that are sampled for conformance with the approved K/A and those that are designated SRO-only (K/A and license level mismatches)

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|----|--------------|--------------|-----------------------|------|-----|-------------|---------|----------------------|---------|---------|----------|----------|----------|----------|----------------|---|
|    |              |              | Stem Focus            | Cues | T/F | Cred. Dist. | Partial | Job-Link             | Minutes | #/units | Backward | Q=K/A    | SRO Only |          |                |   |
|    |              |              |                       |      |     |             |         |                      |         |         |          |          |          |          |                | are unacceptable).  |
| 6. |              |              |                       |      |     |             |         |                      |         |         |          |          |          |          |                | 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).   |

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|     |              |              | Stem Focus            | Cues | T/F | Cred Dist. | Partial | Job-Link             | Minutia | #/units | Backward | Q=K/A    | SRO Only |          |  |
| 10N | F            | 3            |                       |      |     |            |         |                      |         | U       |          |          |          | U<br>S   | D, CR, 43.10. This is a backward logic question – it asks what not to do instead of what is required to be done.<br><a href="#">This question was rewritten.</a> |
| 11B | H            | 2            |                       |      |     |            |         |                      |         |         |          |          |          | S        | A, CR, 43.2.   |
| 12N | H            | 2            |                       |      |     |            |         |                      |         |         |          |          |          | S        | D, CR, 43.7.   |
| 13B | H            | 3            |                       |      |     |            |         |                      |         |         |          |          |          | S        | A, CR, 43.4.   |
| 14N | H            | 3            |                       |      |     |            |         |                      |         |         |          |          |          | S        | A, CR, 43.2.   |
| 15N | F            | 3            |                       |      |     |            |         |                      |         |         |          |          |          | S        | D, CR, 43.7.   |
| 16N | H            | 3            |                       |      |     |            |         |                      |         |         |          |          |          | S        | D, CR, 43.7.   |
| 17N | F            | 2            |                       |      |     |            |         |                      |         |         |          |          |          | S        | D, CR, 43.7.   |
| 18N | H            | 3            |                       |      |     |            |         |                      |         |         |          |          |          | S        | B, CR, 43.7.   |
| 19N | H            | 3            |                       |      |     |            |         |                      |         |         |          |          |          | S        | A, CR, 43.6  |
| 20N | H            | 3            |                       |      |     |            |         |                      |         |         |          |          |          | S        | C, CR, 43.2.   |
| 21N | F            | 3            |                       |      |     |            |         |                      |         |         |          |          |          | S        | B, CR, 43.10.  |
| 22B | H            | 3            |                       |      |     |            |         |                      |         |         |          |          |          | S        | C, CR, 43.6.   |
| 23N | F            | 3            |                       |      |     |            |         |                      |         |         |          |          |          | S        | C, CR, 43.5.   |
| 24N | H            | 4            |                       |      |     |            |         |                      |         |         |          |          |          | S        | C, CR, 43.7.   |
| 25N | H            | 4            |                       |      |     |            |         |                      |         |         |          |          |          | S        | B, CR, 43.7.   |
| 26N | H            | 3            |                       |      |     |            |         |                      |         |         |          |          |          | S        | D, CR, 43.7.   |
| 27N | H            | 3            |                       |      |     |            |         |                      |         |         |          |          |          | S        | B, CR, 43.7.   |
| 28N | F            | 3            |                       |      |     |            |         |                      |         |         |          |          |          | S        | B, CR, 43.7.   |
| 29N | H            | 3            |                       |      |     |            |         |                      |         |         |          |          |          | S        | D, CR, 43.7.   |



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|     |              |              | Stem Focus            | Cues | T/F | Cred. Dist. | Partial | Job-Link             | Minutia | #/ units | Backward | Q= K/A   | SRO Only |          |   |
| 49N | H            | 3            |                       |      |     |             |         |                      |         |          |          |          |          | S        | A, CR, 43.4.  |
| 50N | H            | 3            |                       |      |     |             |         |                      |         |          |          |          |          | S        | C, CR, 43.7.  |
| 51N | F            | 2            |                       |      |     |             |         |                      |         |          |          |          |          | S        | C, NRef, 43   |
| 52B | H            | 2            |                       |      |     |             |         |                      |         |          |          |          |          | S        | B, NR, 43   |
| 53N | H            | 2            |                       |      |     |             |         |                      |         |          |          |          |          | S        | C, NR, 43   |
| 54N | H            | 3            |                       |      |     |             |         |                      |         |          |          |          |          | S        | B, NR, 43   |
| 55N | F            | 2            |                       |      |     |             |         |                      |         |          |          |          |          | S        | A, NR, 43   |
| 56B | F            | 2            |                       |      |     |             |         |                      |         |          |          |          |          | S        | C, NR, 43   |
| 57B | H            | 2            |                       |      |     |             |         |                      |         |          |          |          |          | S        | A, NR, 43   |
| 58N | F            | 2            |                       |      |     |             |         |                      |         |          |          |          |          | S        | C, NR, 43   |
| 59N | F            | 2            |                       |      |     |             |         |                      |         |          |          |          |          | E<br>S   | D, add ' maximum ' before press. In 'A'<br>This question was revised.             |
| 60N | H            | 2            |                       |      |     | x           |         |                      |         |          |          |          |          | U<br>S   | 'd' is not credible<br>This question was left as is.                              |
| 61N | H            | 2            |                       |      |     |             |         |                      |         |          |          |          |          | S        | D, NR, 43.5   |
| 62N | F            | 2            |                       |      |     |             |         |                      |         |          |          |          |          | S        | A, NR, 43.5   |
| 63N | H            | 2            |                       |      |     | x           |         |                      |         |          |          |          |          | E<br>S   | A, "Energizing alone; reset has to occur" 43.5<br>This question is ok as written. |
| 64N | F            | 2            |                       |      |     |             |         |                      |         |          |          |          |          | S        | D, NR, 43   |
| 65N | F            | 2            |                       |      |     |             |         |                      |         |          |          |          |          | S        | B, NR, 43   |
| 66N | H            | 2            |                       |      |     |             |         |                      |         |          |          |          |          | S        | A, NR, 43   |

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|     |               |              | Stem Focus            | Cues | T/F | Cred Dist. | Partial | Job-Link             | Minutia | #/ units | Back-ward | Q= K/A   | SRO Only |          |   |
| 67N | F             | 2            |                       |      |     |            |         |                      |         |          |           |          |          | U<br>S   | "C&D" could be argued the same<br>This question was revised.  |
| 68N | H             | 2            |                       |      |     |            |         |                      |         |          |           |          |          | S        | A,NR, 43  |
| 69N | H             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | A,NR, 43  |
| 70N | F             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | B,NR,43   |
| 71N | H             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | C, NR, 43   |
| 72B | H             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | D, NR,43  |
| 73N | F             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | A,NR,43   |
| 74N | H             | 2            |                       |      |     |            |         |                      |         |          |           |          |          | S        | B,NR,43   |
| 75N | F             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | A,NR,43   |
| 76N | H             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | B,R,43.2  |
| 77N | H             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | D,R,43.2<br>This question was revised to eliminate the reference and reduce the number of open reference questions. |
| 78N | H             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | C,R,43.4  |
| 79N | H             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | D,R,43.4  |
| 80N | H             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | D,R,43.2  |
| 81N | H             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | C,R,43.4  |
| 82N | H             | 2            |                       |      |     |            |         |                      |         |          |           |          |          | S        | C,R,43.4  |
| 83N | F             | 2            |                       |      |     |            |         |                      |         |          |           |          |          | S        | A,NR,43.4   |
| 84B | H             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | C,R,43.4  |
| 85N | H             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | B,R,43.5  |
| 86N | H             | 3            |                       |      |     |            |         |                      |         |          |           |          |          | S        | A,R,43.2  |



|   |                           |  |  |  |  |  |  |  |  |              |                   |
|---|---------------------------|--|--|--|--|--|--|--|--|--------------|-------------------|
| B=10<br>M=1<br>N=64   | F= 33 (44%)               |  |  |  |  |  |  |  |  | E= 4         | <b>RO TOTALS</b>  |
| <b>SRO</b><br>B<br>M<br>N   | H= 20 (80%)<br>F= 4 (20%) |  |  |  |  |  |  |  |  | U= 1<br>E= 0 | <b>SRO TOTALS</b> |
| <p><b><u>GENERAL COMMENTS:</u></b></p> <ol style="list-style-type: none"> <li>Bank questions are indicated by <b>B</b>; Modified are indicated by <b>M</b>; New questions are indicated by <b>N</b>.</li> <li>Chief Examiner comments are indicated in <i>blue</i>.</li> <li>The facility was directed to reduce the number of open reference questions to 13 on the SRO exam.</li> </ol> |                           |  |  |  |  |  |  |  |  |              |                   |