

# South Texas Project–SRO Written Exam

ES-401

## Written Examination Review Worksheet

Form ES-401-9

| Q# | 1.<br>LOK<br>(F/H) | 2.<br>LOD<br>(1-5) | 3. Psychometric Flaws |      |     |                |         | 4. Job Content Flaws |         |             |               | 5.<br>U/E/S | 6.<br>Explanation   |
|----|--------------------|--------------------|-----------------------|------|-----|----------------|---------|----------------------|---------|-------------|---------------|-------------|---|
|    |                    |                    | Stem<br>Focus         | Cues | T/F | Cred.<br>Dist. | Partial | Job-<br>Link         | Minutia | #/<br>units | Back-<br>ward |             |   |
| 1  | H                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           | HB  |
| 2  | F                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           | HB  |
| 3  | H                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           | HB  |
| 4  | F                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           | HB  |
| 5  | F                  | 2                  |                       |      |     |                |         |                      |         |             |               | S           | HB  |
| 6  | H                  | 2                  |                       |      |     | ✓              |         |                      |         |             |               | E           | Consider modifying the stem to make Choice C credible. HB <i>(changed Choice C to be more credible)</i> |
| 7  | H                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           | HB  |
| 8  | H                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           | HB  |
| 9  | H                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           | HB  |

### 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.

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|----|--------------------|--------------------|-----------------------|------|-----|----------------|---------|----------------------|---------|-------------|---------------|-------------|---|
|    |                    |                    | Stem<br>Focus         | Cues | T/F | Cred.<br>Dist. | Partial | Job-<br>Link         | Minutia | #/<br>units | Back-<br>ward |             |   |
| 10 | H                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           | HB  |
| 11 | F                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           | HB  |
| 12 | H                  | 4                  |                       | ✓    |     |                |         |                      |         |             |               | E           | Choice C stands out because logic for the answer is given. Eliminate the reason. HB<br>(Eliminated the reason)  |
| 13 | H                  | 4                  |                       |      |     |                |         |                      |         |             |               | S           | HB  |
| 14 | H                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           | HB  |
| 15 | H                  | 2                  |                       |      |     |                |         |                      |         |             |               | S           | HB  |
| 16 | H                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           | HB. Correct typo "generator". Why inside containment? Location of FW flow sensor?<br>(inside containment because on an SI signal, the FWIVs (located inside containment)<br>close, so the only way that SG pressure would continue to decrease would be a leak<br>inside containment) |
| 17 | F                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           | (changed the wording of Choice C and D, please review)  |
| 18 | H                  | 3                  | X                     |      |     |                |         |                      |         |             |               | S           | Modified stem wording. Modified distractors A & D.  |
| 19 | H                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           |   |
| 20 | F                  | 2                  |                       |      |     |                |         |                      |         |             |               | S           | Editorial fix made in the stem.   |
| 21 | H                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           | Minor editorial change in the stem.   |
| 22 | F                  | 2                  |                       |      |     |                |         |                      |         |             |               | S           |   |
| 23 | F                  | 2                  |                       |      |     |                |         |                      |         |             |               | S           |   |
| 24 | F                  | 2                  |                       |      |     |                |         |                      |         |             |               | S           |   |
| 25 | H                  | 3                  |                       |      |     |                |         |                      |         |             |               | S           |   |
|    |                    |                    |                       |      |     |                |         |                      |         |             |               |             |   |
|    |                    |                    |                       |      |     |                |         |                      |         |             |               |             |   |
|    |                    |                    |                       |      |     |                |         |                      |         |             |               |             |   |
|    |                    |                    |                       |      |     |                |         |                      |         |             |               |             |   |