

| 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 | Back- ward | Q= K/A | SRO Only | | | |
| 1 | H | 3 | | | | | | | | | | Y | | B | S | |
| 2 | H | 3 | | | | | | | | | | Y | | M | S | |
| 3 | H | 2 | | | | | | | | | | N | | B | U | K/A MM. Replaced question |
| 4 | H | 3 | | | | | | | | | | Y | | B | S | |
| 5 | H | 4 | | | | | | | | | | Y | | B | S | |
| 6 | H | 3 | | | | | | | | | | Y | | B | S | |
| 7 | F | 2 | | | | | | | | | | Y | | N | S | |
| 8 | 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).

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| 9 | H | 3 | | | | | | | | | | Y | | N | S | |
| 10 | H | 3 | | | | | | | | | | Y | | M | S | |
| 11 | H | 3 | | | | | | | | | | Y | | M | S | |
| 12 | H | 4 | | | | | | | | | | Y | | M | S | |
| 13 | H | 2 | | | | | | | | | | Y | | M | S | |
| 14 | F | 2 | | | | | | | | | | Y | | B | S | |
| 15 | H | 3 | | | | | | | | | | Y | | M | E | Added "First" after the word crew |
| 16 | H | 3 | | | | | | | | | | Y | | B | S | |
| 17 | F | 2 | | | | | | | | | | Y | | B | S | |
| 18 | H | 3 | | | | | | | | | | Y | | M | S | |
| 19 | H | 4 | | | | | | | | | | Y | | B | S | |
| 20 | H | 4 | | | | | | | | | | Y | | M | E | |
| 21 | H | 2 | | | | | | | | | | Y | | B | S | |
| 22 | H | 3 | | | | | | | | | | Y | | N | S | |
| 23 | 2 | 4 | | | | | | | | | | N | | B | U | K/A MM. Replaced question and/or K/A |
| 24 | F | 3 | | | | | | | | | | Y | | B | S | |
| 25 | H | 3 | | | | | | | | | | Y | | N | S | |
| 26 | H | 3 | | | | | | | | | | Y | | B | S | |
| 27 | F | 3 | | | | | | | | | | Y | | B | S | |
| 28 | F | 3 | | | | | | | | | | Y | | B | S | |

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|----|--------------------|--------------------|-----------------------|------|-----|----------------|---------|----------------------|---------|-------------|---------------|-----------|-------------|-------------|-------------|-------------------------------------|
| | | | Stem Focus | Cues | T/F | Cred. Dist. | Partial | Job- Link | Minutia | #/ units | Back- ward | Q= K/A | SRO Only | | | |
| 29 | H | 2 | | | | | | | | | | Y | | B | S | |
| 30 | H | 2 | | | | | | | | | | Y | | N | S | |
| 31 | F | 3 | | | | | | | | | | Y | | B | S | |
| 32 | F | 3 | | | | | | | | | | Y | | B | S | |
| 33 | H | 2 | | | | | | | | | | Y | | M | S | |
| 34 | H | 2 | | | | | | | | | | Y | | B | S | |
| 35 | H | 2 | | | | | | | | | | Y | | B | S | |
| 36 | H | 3 | | | | | | | | | | Y | | B | S | |
| 37 | H | 4 | | | | | | | | | | Y | | B | S | |
| 38 | H | 4 | | | | | | | | | | Y | | M | S | |
| 39 | H | 3 | | | | | | | | | | Y | | M | S | Question matches part (a) of K/A |
| 40 | H | 2 | | | | | | | | | | Y | | B | S | |
| 41 | H | 2 | | | | | | | | | | Y | | B | S | |
| 42 | H | 2 | | | | | | | | | | Y | | B | S | |
| 43 | F | 2 | | | | | | | | | | Y | | N | S | |
| 44 | F | 3 | | | | | | | | | | Y | | N | E | Added power level to stem |
| 45 | H | 3 | | | | | | | | | | Y | | B | S | |
| 46 | F | 3 | | | | | | | | | | Y | | B | S | |
| 47 | H | 3 | | | | | | | | | | Y | | N | E | Reorganized answers and distracters |
| 48 | F | 2 | | | | | | | | | | Y | | B | S | |

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| | | | Stem Focus | Cues | T/F | Cred. Dist. | Partial | Job- Link | Minutia | #/ units | Back- ward | Q= K/A | SRO Only | | | |
| 49 | F | 3 | | | | | | | | | | Y | | B | S | |
| 50 | H | 2 | | | | | | | | | | N | | B | U | K/A mm; Replaced question |
| 51 | F | 3 | | | | | | | | | | Y | | B | S | |
| 52 | H | 2 | | | | | | | | | | Y | | B | S | |
| 53 | F | 3 | | | | | | | | | | Y | | B | E | Clarified context of choice 'a' |
| 54 | H | 3 | | | | | | | | | | Y | | B | S | |
| 55 | F | 3 | | | | | | | | | | Y | | B | S | |
| 56 | H | 3 | | | | | | | | | | Y | | B | S | |
| 57 | H | 3 | | | | | | | | | | Y | | B | S | |
| 58 | H | 2 | | | | | | | | | | Y | | N | S | |
| 59 | F | 2 | | | | | | X | | | | N | | B | U | K/A MM. No operational validity. Replaced K/A & Q |
| 60 | H | 3 | | | | | | | | | | Y | | B | S | |
| 61 | H | 2 | | | | | | | | | | N | | N | U | K/A MM. Replaced question. |
| 62 | F | 3 | | | | | | | | | | Y | | B | S | |
| 63 | H | 3 | | | | | | | | | | Y | | N | S | |
| 64 | H | 2 | | | | | | | | | | Y | | B | S | |
| 65 | F | 3 | | | | | | | | | | Y | | B | S | |
| 66 | F | 2 | | | | | | | | | | Y | | B | E | Reworded distracters 'a' and 'b' |
| 67 | H | 2 | | | | | | | | | | Y | | N | S | |
| 68 | F | 2 | | | | | | X | X | | | Y | | M | U | Replaced question |

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| | | | Stem Focus | Cues | T/F | Cred. Dist. | Partial | Job- Link | Minutia | #/ units | Back- ward | Q= K/A | SRO Only | | | |
| 69 | H | 3 | | | | | | | | | | Y | | B | S | |
| 70 | F | 3 | | | | | | | | | | Y | | B | S | |
| 71 | F | 2 | | | | | | | | | | Y | | B | S | K/A match based on Q referencing fixed rad monitor |
| 72 | F | 2 | | | | | | | | | | Y | | B | S | |
| 73 | H | 2 | | | | | | | | | | Y | | B | S | |
| 74 | F | 3 | | | | | | | | | | Y | | B | S | |
| 75 | F | 3 | | | | | | | | | | Y | | B | S | |
| 76 | H | 2 | | | | | | | | | | Y | Y | B | S | |
| 77 | H | 2 | | | | | | | | | | Y | Y | B | S | |
| 78 | H | 2 | | | | | | | | | | Y | Y | N | S | K/A match because malfunction of valve 182 will affect makeup to RCS (seal flow is affected) |
| 79 | H | 2 | | | | | | | | | | Y | Y | B | S | |
| 80 | H | 3 | | | | | | | | | | Y | Y | B | S | |
| 81 | F | 2 | | | | | | | | | | Y | Y | B | S | |
| 82 | H | 2 | | | | | | | | | | Y | Y | M | S | |
| 83 | F | 3 | | | | | | | | | | Y | Y | B | S | |
| 84 | H | 3 | | | | | | | | | | Y | Y | B | S | |
| 85 | F | 3 | | | | | | | | | | Y | Y | B | S | |
| 86 | H | 2 | | | | | | | | | | Y | Y | B | S | |
| 87 | H | 3 | | | | | | | | | | Y | Y | N | | |

[illegible]