

| Q# | 1.<br>LOK<br>(F/H) | 2.<br>LOD<br>(1-5) | 3. Psychometric Flaws |      |     |                |         | 4. Job Content Flaws |         |             |               | 5. Other  |             | 6.<br>B/M/N | 7.<br>U/E/S | 8.<br>Explanation   |
|----|--------------------|--------------------|-----------------------|------|-----|----------------|---------|----------------------|---------|-------------|---------------|-----------|-------------|-------------|-------------|---|
|    |                    |                    | Stem<br>Focus         | Cues | T/F | Cred.<br>Dist. | Partial | Job-<br>Link         | Minutia | #/<br>units | Back-<br>ward | Q=<br>K/A | SRO<br>Only |             |             |   |
| 1  | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |   |
| 2  | M                  | 3                  |                       |      |     | X              |         |                      |         |             |               |           |             | M           | U           | Non-discriminating distractors. Potential for no correct answer. Revised Q.                 |
| 3  | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |   |
| 4  | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Removed some information from stem to ensure no cueing and improve distractor plausibility. |
| 5  | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Minor stem modification to ensure validity of key answer.                                   |
| 6  | N                  | 3                  |                       |      |     | X              |         |                      |         |             |               |           |             | N           | U           | 2 implausible distractors. Q rewritten.   |
| 7  | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Replaced one distractor.  |
| 8  | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |   |
| 9  | N                  | 3                  |                       |      |     | X              |         |                      |         |             |               |           |             | N           | U           | Non-credible. Rewrote Q.  |
| 10 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | S           |   |
| 11 | N                  | 2                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | S           |   |
| 12 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | E           | Modified stem to improve distractor plausibility and to address inconsistent given data.    |
| 13 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Minor changes to improve discriminatory value.  |
| 14 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | S           |   |
| 15 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Minor stem structural change to improve distractor plausibility.                            |
| 16 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Replaced an implausible distractor. Minor stem changes.                                     |
| 17 | B                  | 3                  |                       |      |     | X              |         |                      |         |             |               |           |             | B           | U           | Implausible distractors. Replaced Q.  |

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|----|--------------------|--------------------|-----------------------|------|-----|----------------|---------|----------------------|---------|-------------|---------------|-----------|-------------|-------------|-------------|---|
|    |                    |                    | Stem<br>Focus         | Cues | T/F | Cred.<br>Dist. | Partial | Job-<br>Link         | Minutia | #/<br>units | Back-<br>ward | Q=<br>K/A | SRO<br>Only |             |             |   |
| 18 | M                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | M           | E           | Minor stem wording change to ensure key answer validity.    |
| 19 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |   |
| 20 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Fixed typo.   |
| 21 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | E           | Reworded choices for improved symmetry.                     |
| 22 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Modified conditions to improve distractor plausibility.     |
| 23 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Changed stem conditions to support distractor plausibility. |
| 24 | M                  | 3                  |                       |      |     | X              |         |                      |         |             |               |           |             | M           | U           | Reselected K/A and replaced Q.                              |
| 25 | B                  | 2                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |   |
| 26 | M                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | M           | E           | Minor stem modification to better match key answer.         |
| 27 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | E           | Minor punctuation change.                                   |
| 28 | N                  | 2                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | S           |   |
| 29 | N                  | 2                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Minor stem re-organization.                                 |
| 30 | M                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | M           | S           |   |
| 31 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |   |
| 32 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | S           |   |
| 33 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | E           | Q replaced with a better Q at CE discretion.                |
| 34 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Reworded Q to improve clarity.                              |
| 35 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |   |
| 36 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |   |
| 37 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |   |
| 38 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |   |

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|----|--------------------|--------------------|-----------------------|------|-----|----------------|---------|----------------------|---------|-------------|---------------|-----------|-------------|-------------|-------------|---|
|    |                    |                    | Stem<br>Focus         | Cues | T/F | Cred.<br>Dist. | Partial | Job-<br>Link         | Minutia | #/<br>units | Back-<br>ward | Q=<br>K/A | SRO<br>Only |             |             |   |
| 39 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | S           |   |
| 40 | M                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | M           | E           | Minor changes to improve discriminatory value.                            |
| 41 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | S           |   |
| 42 | M                  | 1                  |                       |      |     |                |         |                      |         |             |               | X         |             | M           | U           | LOD=1, K/A mismatch. Reselected K/A and replaced Q.                       |
| 43 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |   |
| 44 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Minor stem change.  |
| 45 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Modified stem and distractors to improve discriminatory value.            |
| 46 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Good Q. Changed K/A at CE discretion to better match tested information.  |
| 47 | B                  | 3                  |                       |      |     | X              |         |                      |         |             |               |           |             | B           | U           | 2 non-credible distractors. Revised Q.                                    |
| 48 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Modified Q and distractors to improve discriminatory value.               |
| 49 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | S           |   |
| 50 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | S           |   |
| 51 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | E           | Moved common language from choices into stem.                             |
| 52 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           | 2011 NRC Exam Q53.  |
| 53 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           | 2012 NRC Exam Q53.  |
| 54 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | S           |   |
| 55 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Changed 1 implausible distractor.   |
| 56 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | S           |   |
| 57 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Reduced number of options in each choice.                                 |
| 58 | M                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | M           | E           | Modified Q and choices to ensure key answer correct under all conditions. |

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|----|--------------------|--------------------|-----------------------|------|-----|----------------|---------|----------------------|---------|-------------|---------------|-----------|-------------|-------------|-------------|--|
|    |                    |                    | Stem<br>Focus         | Cues | T/F | Cred.<br>Dist. | Partial | Job-<br>Link         | Minutia | #/<br>units | Back-<br>ward | Q=<br>K/A | SRO<br>Only |             |             |  |
| 59 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Minor change to distractors to improve plausibility.   |
| 60 | N                  | 2                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Reselected K/A and replaced Q at CE discretion to increase LOD.  |
| 61 | B                  | 3                  |                       |      |     | X              |         |                      |         |             |               |           |             | B           | U           | Non-credible distractors. Rewrote the Q.   |
| 62 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | E           | Added proc reference to stem and modified given conditions to improve tie between conditions and the question. |
| 63 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | E           | Modified Q and choices to improve discriminatory value.  |
| 64 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | S           |  |
| 65 | N                  | 2                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Wrote a new Q at CE discretion to raise LOD.   |
| 66 | M                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | M           | S           |  |
| 67 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | E           | Added qualifying information to stem to ensure only one correct answer.  |
| 68 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Reworded to improve credibility of choices.  |
| 69 | M                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | M           | E           | Reworded to ensure Q is not cueing.  |
| 70 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           |             |  |
| 71 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           |             |  |
| 72 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           |             |  |
| 73 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           |             |  |
| 74 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           |             |  |
| 75 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           |             |  |
| 76 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Added qualifier statement to stem.   |
| 77 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Modified Q and distractors to improve discriminatory value.  |
| 78 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |  |
| 79 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | S           |  |

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|    |                    |                    | Stem<br>Focus         | Cues | T/F | Cred.<br>Dist. | Partial | Job-<br>Link         | Minutia | #/<br>units | Back-<br>ward | Q=<br>K/A | SRO<br>Only |             |             |   |
| 80 | M                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | M           | E           | Minor modifications to enhance plausibility of distractors.                               |
| 81 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |   |
| 82 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Modified stem and choices to ensure key answer accuracy and improve discriminatory value. |
| 83 | M                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | M           | E           | Minor stem changes for clarity.   |
| 84 | M                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | M           | S           |   |
| 85 | M                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | M           | E           | Added stem information and changed key answer to improve distractor plausibility.         |
| 86 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | S           |   |
| 87 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Minor stem changes for clarity.   |
| 88 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Revised to clarify stem and improve distractors.  |
| 89 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Minor stem and choice changes to improve clarity.   |
| 90 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Reworded to improve structure and discriminatory value.                                   |
| 91 | M                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | M           | E           | 2011 NRC Exam Q93 (modified). Modified to enhance distractor plausibility.                |
| 92 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           | X           | N           | U           | Modified to ensure Q is SRO-only.   |
| 93 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Deleted unnecessary stem statement to prevent confusion.                                  |
| 94 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Minor wording changes to better align Q to reference materials.                           |
| 95 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |   |
| 96 | B                  | 2                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           |   |
| 97 | N                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | N           | E           | Modified to improve distractors and clarify Q.  |
| 98 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | S           | 2012 NRC Q98  |
| 99 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | E           | Replaced with better Q at CE discretion.  |

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|-----|--------------------|--------------------|-----------------------|------|-----|----------------|---------|----------------------|---------|-------------|---------------|-----------|-------------|-------------|-------------|---|
|     |                    |                    | Stem<br>Focus         | Cues | T/F | Cred.<br>Dist. | Partial | Job-<br>Link         | Minutia | #/<br>units | Back-<br>ward | Q=<br>K/A | SRO<br>Only |             |             |   |
| 100 | B                  | 3                  |                       |      |     |                |         |                      |         |             |               |           |             | B           | E           | Modified stem to improve plausibility of distractors. |