

# Industrial Mechanic (Millwright)

## Harmonized Level 2

### STANDARDIZED LEVEL EXAM (SLE) BREAKDOWN

The following table shows the number of questions per General Area of Competency (GAC) and Competency on the *Industrial Mechanic (Millwright) Harmonized Level 2 SLE*.

**Number of questions on each exam: 100**

| Level 2 GAC/Competency   | #         |
|--|-----------|
| <b>C. PERFORM ROUTINE TRADE ACTIVITIES</b>                       | <b>26</b> |
| C1. Use mathematics and science                                  | 15        |
| C3. Lubricate systems and components                             | 5         |
| C4. Perform leveling of components and systems                   | 0         |
| C7. Perform material identification                              | 2         |
| C8. Perform heat treatment of metal                              | 2         |
| C9. Use mechanical drawings and specifications                   | 2         |
| <b>F. PERFORM CUTTING AND WELDING OPERATIONS</b>                 | <b>6</b>  |
| F2. Weld material using shielded arc welding equipment (SMAW)    | 3         |
| F3. Weld material with gas metal arc welding equipment (GMAW)    | 2         |
| F4. Weld material with gas tungsten arc welding equipment (GTAW) | 1         |
| <b>H. SERVICE SHAFTS, BEARINGS AND SEALS</b>                     | <b>19</b> |
| H1. Select, install and maintain shafts                          | 4         |
| H2. Select, install and maintain bearings                        | 10        |
| H3. Select, install and maintain seals                           | 5         |
| <b>I. SERVICE COUPLINGS, CLUTCHES AND BRAKES</b>                 | <b>10</b> |
| I1. Select, install and maintain couplings                       | 7         |
| I2. Select, install and maintain clutches and brakes             | 3         |
| <b>J. SERVICE CHAIN AND BELT DRIVE SYSTEMS</b>                   | <b>17</b> |
| J1. Select, install and maintain chain drive systems             | 9         |
| J2. Select, install and maintain belt drive systems              | 8         |

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*January 1, 2023*

| Level 2 GAC/Competency                         | #          |
|--|------------|
| <b>K. SERVICE GEAR SYSTEMS</b>                 | <b>12</b>  |
| K1. Select and install gear systems            | 6          |
| K2. Diagnose, maintain and repair gear systems | 6          |
| <b>L. PERFORM SHAFT ALIGNMENT PROCEDURES</b>   | <b>10</b>  |
| L1. Perform rough alignment                    | 3          |
| L2. Perform dial alignment procedures          | 7          |
| <b>Total:</b>                                  | <b>100</b> |