

Welder 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 *Welder Harmonized Level 2 SLE*.

Number of questions on each exam: 80

Level 2 GAC/Competency	#
A. OCCUPATIONAL SKILLS	7
A8. Apply lifting, hoisting and rigging procedures	7
D. SHIELDED METAL ARC WELDING (SMAW)	9
D3. Select electrodes for SMAW	3
D6. Use the SMAW process on low carbon steel plate and pipe	4
D8. Describe the SMAW process on grey cast iron	2
E. SEMI-AUTOMATIC AND AUTOMATIC WELDING	14
E4. Use the GMAW and GMAW-P process	5
E5. Use the FCAW process	5
E6. Use the MCAW process	3
E7. Use the SAW process	1
F. GAS TUNGSTEN ARC WELDING (GTAW)	18
F1. Describe the GTAW process and its application	4
F2. Describe GTAW equipment and its operation	5
F3. Describe the application of GTAW for ferrous metals	5
F4. Use the GTAW process for ferrous metals	2
F5. Use the GTAW process for stainless steel	2

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Level 2 GAC/Competency	#
H. BASIC METALLURGY	12
H1. Describe production processes for manufacturing metals	4
H2. Describe mechanical and physical properties of ferrous and non-ferrous metals	4
H3. Describe common ferrous, non-ferrous and reactive metals and their weldability	4
I. WELDING DRAWINGS, LAYOUT AND FABRICATION	20
I2. Read and interpret drawings	3
I3. Perform basic drafting	5
I4. Perform mathematical calculations	3
I5. Interpret and apply mechanical drawings and layout components	3
I6. Fabricate weldments	3
I7. Costing and estimating	3
Total:	80