

Piledriver and Bridgeworker Level 1

STANDARDIZED LEVEL EXAM (SLE) BREAKDOWN

The following table shows the number of questions per General Area of Competency (GAC) and Competency on the *Piledriver and Bridgeworker Level 1 SLE*.

Number of questions on each exam: 100

Level 1 GAC/Competency	#
A. APPLY SAFE WORK PRACTICES	17
A1. Apply Site Safety Practices	3
A2. Apply Personal Safety Practices	2
A3. Use Workplace Hazardous Materials Information System (WHMIS)	2
A4. Use Fire Safety Procedures	2
A5. Work Safely with Piledriving Equipment	0
A6. Work Safely with Marine Equipment	1
A7. Use Confined Space Entry Procedures	3
A8. Prevent Environmental Damage	4
B. USE DOCUMENTATION AND ORGANIZATIONAL SKILLS	11
B1. Use Construction Drawings and Specifications	2
B2. Interpret Building Codes and Bylaws	1
B3. Use Trade Related Math	4
B4. Use Trade Related Science	4
C. USE TOOLS AND EQUIPMENT	14
C1. Use Hand Tools	2
C2. Use Portable Power Tools and Equipment	3
C3. Use Shop Equipment	2
C4. Use Oxy-Fuel Cutting Equipment	3
C5. Use Shielded Metal Arc Welding (SMAW) Equipment	4
D. USE SURVEY INSTRUMENTS AND OTHER LEVELLING AND MEASURING TECHNIQUES	3
D1. Use Levelling Instruments and Equipment	3
E. USE ACCESS, RIGGING AND HOISTING EQUIPMENT	19
E1. Use Ladders, Scaffolds and Access Equipment	4
E3. Use Hoisting Equipment and Rigging Techniques	10

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January 1, 2023

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E5. Use Support Equipment	5
F. PERFORM SITE LAYOUT	2
F1. Layout Bridge Abutment and Pier Locations	2
G. BUILD CONCRETE FORMWORK	9
G1. Use Concrete Types, Materials, Additives and Treatments	4
G2. Build Footing and Vertical Formwork	5
H. DESCRIBE THE PILEDRIVER AND BRIDGEWORKER TRADE	7
H1. Identify Tasks Performed by Piledrivers and Bridgeworkers	1
H2. Describe Types of Bridges	1
H3. Describe Types of Marine Structures	4
H4. Describe Exclusion and Retaining Structures	1
I. USE MARINE WORK PROCEDURES	5
I2. Use Moving and Positioning Vessels	3
I3. Interpret Tide Tables and Marine Charts	2
K. USE PILE AND FOUNDATION PROCEDURES	7
K3. Describe Types of Piles and Deep Foundations	3
K5. Use Piledriving Equipment	4
L. BUILD WITH TIMBER AND STEEL	4
L1. Build with Timber	4
M. INSTALL, REPAIR AND MAINTAIN BRIDGES, RAMPS AND MARINE STRUCTURES	2
M1. Repair and Maintain Bridge Decks and Components	2
Total:	100