

Gasfitter – Class B 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 *Gasfitter – Class B Level 1 SLE*.

Number of questions on each exam: 100

Level 1 GAC/Competency	#
A. USE COMMON OCCUPATIONAL SKILLS	20
A1. Control Workplace Hazards	3
A2. Use Drawings and Specifications	3
A3. Use Common Tools and Access Equipment	3
A4. Use Technical Instruments and Testers	4
A5. Use Codes, Regulations, and Standards	5
A6. Organize Work and Maintain Records	2
B. APPLY FUNDAMENTALS OF GAS UTILIZATION	14
B1. Apply Gas Properties	3
B2. Apply Combustion Theory	3
B3. Apply Draft Theory	3
B4. Interpret Heating, Cooling and Process Systems	3
B5. Apply Knowledge of Mechanical Safety Devices	2
C. APPLY ELECTRICAL CONCEPTS	24
C1. Use the Principles of Electricity and Electronics	4
C2. Use Electrical Wiring Diagrams and Schematics	4
C3. Use the Canadian Electrical Code (CEC)	4

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Level 1 GAC/Competency	#
C4. Apply Single Phase Motor Theory	4
C5. Apply Three Phase Motor Theory	4
C7. Apply Wiring Practices	4
D. PLAN GAS-FIRED APPLIANCE SYSTEM INSTALLATIONS	24
D1. Size Piping and Tubing Systems	8
D2. Select Regulators, Valves, and Valve Train Components	4
D6. Select Gas-Fired Appliances	1
D7. Select Burners	3
D8. Select Flame Safeguards	4
D10. Select Electrical Components	4
D12. Plan a Project	0
E. INSTALL GAS-FIRED SYSTEMS	14
E1. Install Piping and Tubing Systems	5
E2. Install Regulators, Valves, and Valve Train Components	4
E5. Install Air Supply Systems	5
F. COMMISSION GAS-FIRED APPLIANCES AND EQUIPMENT	4
F1. Commission Fuel/Air Delivery Systems	4
Total:	100