## Gasfitter – Class A 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 A Level 1 SLE*.

## Number of questions on each exam: 100

Level 1 GAC/Competency		
A. US	E COMMON OCCUPATIONAL SKILLS	8
А	2. Use drawings and specifications	2
А	4. Use technical instruments and testers	3
А	5. Use codes, regulations, and standards	2
А	6. Organize work and maintain records	1
B. AI	PLY FUNDAMENTALS OF GAS UTILIZATION	14
В	2. Apply combustion theory	6
В	3. Apply draft theory	3
В	4. Interpret heating, cooling and process systems	2
В	5. Apply knowledge of mechanical safety devices	1
В	6. Apply alternate-fuel theory	2
C. Al	PLY ELECTRICAL CONCEPTS	30
C	1. Use the principles of electricity and electronics	4
C	2. Use electrical wiring diagrams and schematics	4
C	3. Use the Canadian Electrical Code (CEC)	2
C	5. Apply three phase motor theory	4
C	6. Apply Variable Frequency Drive (VFD) and Electronically Commutated Motors (ECM) technology	4
C	7. Apply wiring practices	4
C	3. Troubleshoot electrical circuits	4

Gasfitter - Class A: Level 1 SLE Breakdown

May 1, 2024

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## SKILLEDTRADES<sup>BC</sup>

Level 1 GAC/Competency			#
	C9.	Apply communication and networking technology	4
D.	PLA	N GAS-FIRED APPLIANCE SYSTEM INSTALLATIONS	27
	D1.	Size piping and tubing systems	3
	D2.	Select regulators, valves, and valve train components	5
	D3.	Plan propane system installations	1
	D4.	Size venting systems	2
	D5.	Size air supply systems	2
	D6.	Select gas-fired appliances	2
	D7.	Select burners	3
	D8.	Select flame safeguards	4
	D9.	Select combustion, safety and operating controls	3
	D10.	Select electrical components	2
	D12.	Plan a project	0
E.	INST	ALL GAS-FIRED SYSTEMS	16
	E2.	Install regulators, valves, and valve train components	2
	E3.	Install LPG, LNG and CNG vaporizing and mixing systems	2
	E4.	Install venting systems	4
	E5.	Install air supply systems	2
	E6.	Install draft control systems	1
	E8.	Install flame safeguards	2
	E9.	Install combustion, safety and operating controls	2
	E11.	Install boilers and ancillary equipment	1
F.	COM	IMISSION GAS-FIRED APPLIANCES AND EQUIPMENT	4
	F1.	Commission fuel/air delivery systems	2
	F4.	Perform combustion analysis	2
G.	MAI	NTAIN AND SERVICE GAS-FIRED APPLIANCES AND EQUIPMENT	1
	G8.	Repair and replace furnace refractory	1

Gasfitter – Class A: Level 1 SLE Breakdown

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100

SKILLEDTRADESBC.CA

Total: