

07/06/25/20 (CE12481-1) Theory

Steamfitter Pipefitter

**Interprovincial
Qualification****COUNSELLING INFORMATION**

| <u>130 TOTAL QUESTIONS</u> | | Number of Questions |
|--|---|---------------------|
| SECTION 1 PERFORMS COMMON OCCUP SKILLS | | 16 |
| Task 1 | Performs safety-related functions. | 4 |
| Task 2 | Uses and maintains tools and equipment. | 6 |
| Task 3 | Organizes job. | 4 |
| Task 4 | Uses communication and mentoring techniques. | 2 |
| SECTION 2 PERFORMS PIPING FABRICATION | | 29 |
| Task 5 | Performs fabrication. | 10 |
| Task 6 | Lays out and installs piping, tubing, fittings and related components. | 12 |
| Task 7 | Installs, maintains, troubleshoots, repairs and tests valves. | 4 |
| Task 8 | Installs, tests, maintains, troubleshoots and repairs heat tracing systems. | 3 |
| SECTION 3 PERFORMS RIGGING HOISTING | | 15 |
| Task 9 | Performs common rigging, hoisting, lifting and positioning. | 10 |
| Task 10 | Performs complex and critical rigging, hoisting, lifting and positioning. | 5 |
| SECTION 4 LOW AND HIGH PRESSURE SYSTEMS | | 24 |
| Task 11 | Installs, tests, maintains, troubleshoots and repairs low pressure steam and condensate systems. | 10 |
| Task 12 | Installs, tests, maintains, troubleshoots and repairs high pressure steam and condensate systems. | 14 |

SECTION 5 HEATING COOLING SYSTEMS**27**

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| Task 13 | Installs, tests, maintains, troubleshoots and repairs hydronic systems. | 6 |
| Task 14 | Installs, tests, maintains, troubleshoots and repairs process piping systems. | 5 |
| Task 15 | Installs, tests, maintains, troubleshoots and repairs industrial water and waste treatment systems. | 3 |
| Task 16 | Installs, tests, maintains, troubleshoots and repairs hydraulic systems. | 3 |
| Task 17 | Installs, tests, maintains, troubleshoots and repairs heating, ventilation, air conditioning and refrigeration (HVACR) systems. | 2 |
| Task 18 | Installs, tests, maintains, troubleshoots and repairs fuel systems. | 3 |
| Task 19 | Installs, tests, maintains, troubleshoots and repairs medical gas systems. | 2 |
| Task 20 | Installs, tests, maintains, troubleshoots and repairs compressed air and pneumatic systems. | 3 |

SECTION 6 RENEWABLE ENERGY SYSTEMS**8**

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| Task 21 | Installs, tests, maintains, troubleshoots and repairs geo-exchange and geothermal systems | 2 |
| Task 22 | Installs, tests, maintains, troubleshoots and repairs solar heating systems. | 2 |
| Task 23 | Installs, tests, maintains, troubleshoots and repairs heat recovery systems. | 4 |

SECTION 7 PERFORMS COMMISSIONING 11

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| Task 24 | Prepares system for commissioning, start-up and turnover. | 6 |
| Task 25 | Commissions systems. | 5 |

TIME ALLOWED 4 HOURS
PASS MARK 70%

- This is a multiple-choice type of examination.
- This information is to be used for candidate counseling purposes only.