

Steamfitter/Pipefitter

Interprovincial Journeyperson Examination Information

| | |
|-----------------------------------|-------------------------|
| Apprentice Requirements: | 4 years and 7200 hours |
| Tradesperson Requirements: | 6 years and 10800 hours |
| Practical Examination: | No |

The interprovincial (IP) journeyperson examination for this trade is developed by a national committee of worker and employer representatives. The content for IP Examinations is drawn from the Red Seal Occupational Standard (RSOS) for that trade and is based on industry's standards and expectations. You can download and print a free copy of the RSOS from the Red Seal website by visiting www.red-seal.ca.

To write the interprovincial journeyperson examination, you must either successfully complete an apprenticeship training program or meet tradesperson eligibility requirements. The pass mark is 70%.

Red Seal Examination preparation resources:

To assist in the understanding of the development of all Interprovincial Red Seal examinations, Employment and Social Development Canada (ESDC) has developed the following information.

- A short explanation of the role of an occupational standard in the development of a Red Seal examination can be accessed on the Red Seal website at the following link: <http://www.red-seal.ca/resources/wh.1t.3sn.4.1-eng.html>
- The Getting Ready for the Examination document can be accessed through the Red Seal website at the following link: <http://www.red-seal.ca/docms/getready-eng.pdf>
- Red Seal examination sample questions can be accessed on the Red Seal website at the following link: <http://www.red-seal.ca/resources/s.1mpl.2 q.5.2st.3.4ns-eng.html>
- A trade specific skills assessment tool is available on the Red Seal website at the following link: <https://www.red-seal.ca/eng/resources/s.1mpl.2 q.5.2st.3.4ns.shtml>

Use of cell phones, electronic imaging/recording or communication equipment is **not** permitted. You will be required to leave immediately if any of these items are found on your person.

Please note that examinations and study information change frequently. The most recent information is available on our website at www.saskapprenticeship.ca

Steamfitter/Pipefitter - Red Seal Examination Breakdown

An Interprovincial Red Seal examination is based on the Red Seal Occupational Standard (RSOS) for the trade. The RSOS describes the skills and knowledge required to perform the duties of the trade. Each standard is divided into Blocks (NOA) or Major Work Activities (MWA) (RSOS), which are divided into Tasks, which are divided into Sub-tasks.

The Red Seal examination has a certain number of questions assigned to these sections. The number of questions are provided below. For more information, see the full Red Seal Occupational Standard for this [trade](#).

Total number of questions on the Interprovincial Red Seal examination - 130 questions*

| Subject | Percent | Number of Questions |
|--|---------|---------------------|
| MWA A: Performs common occupational skills | 13% | |
| Task A-1: Performs safety-related functions | | 4 |
| Task A-2: Uses and maintains tools and equipment | | 6 |
| Task A-3: Organizes job | | 4 |
| Task A-4: Uses communication and mentoring techniques | | 2 |
| MWA B: Performs layout, fabrication and piping installation | 22% | |
| Task B-5: Performs fabrication | | 10 |
| Task B-6: Lays out and installs piping, tubing, fittings and related components | | 12 |
| Task B-7: Installs, maintains, troubleshoots, repairs and tests valves | | 4 |
| Task B-8: Installs, tests, maintains, troubleshoots and repairs heat tracing systems | | 3 |
| MWA C: Performs, rigging, hoisting, lifting and positioning | 12% | |
| Task C-9: Performs common rigging, hoisting, lifting and positioning | | 10 |
| Task C-10: Performs complex and critical rigging, hoisting, lifting and positioning | | 5 |
| MWA D: Installs, tests, maintains, troubleshoots and repairs low and high pressure steam and condensate systems | 18% | |
| Task D-11: Installs, tests, maintains, troubleshoots and repairs low pressure steam and condensate systems | | 10 |
| Task D-12: Installs, tests, maintains, troubleshoots and repairs high pressure steam and condensate systems | | 14 |

| | | |
|--|------|-----|
| MWA E: Installs, tests, maintains, troubleshoots and repairs heating, cooling and process piping systems | 21% | |
| Task E-13: Installs, tests, maintains, troubleshoots and repairs hydronic systems | | 6 |
| Task E-14: Installs, tests, maintains, troubleshoots and repairs process piping systems | | 5 |
| Task E-15: Installs, tests, maintains, troubleshoots and repairs industrial water and waste treatment systems | | 3 |
| Task E-16: Installs, tests, maintains, troubleshoots and repairs hydraulic systems | | 3 |
| Task E-17: Installs, tests, maintains, troubleshoots and repairs heating, ventilation, air conditioning and refrigeration (HVACR) systems | | 2 |
| Task E-18: Installs, tests, maintains, troubleshoots and repairs fuel systems | | 3 |
| Task E-19: Installs, tests, maintains, troubleshoots and repairs medical gas systems | | 2 |
| Task E-20: Installs, tests, maintains, troubleshoots and repairs compressed air and pneumatic systems | | 3 |
| Task E-21: Installs and tests fire protection systems (NOT COMMON CORE) | | 0 |
| MWA F: installs, tests, maintains, troubleshoots and repairs renewable energy systems | 6% | |
| Task F-22: Installs, tests, maintains, troubleshoots and repairs geo-exchange and geothermal systems | | 2 |
| Task F-23: Installs, tests, maintains, troubleshoots and repairs solar heating systems | | 2 |
| Task F-24: Installs, tests, maintains, troubleshoots and repairs heat recovery systems | | 4 |
| MWA G: Performs commissioning, start-up and turnover | 8% | |
| Task G-25: Prepares system for commissioning, start-up and turnover | | 6 |
| Task G-26: Commissions systems | | 5 |
| Total | 100% | 130 |

**The number of questions on an interprovincial examination, assigned to assess each major work activity of the RSOS, as derived from the collective input from workers within the trade across Canada.*

Suggested trade resources when preparing for the examination.

To assist you, a list of reference textbooks is provided below. Note that ISBN numbers are subject to change. Please consult with your supplier to access their most current version of the textbook you are acquiring. It is not necessary to use these specific textbooks; you may find others which will be equally beneficial. You are encouraged to seek additional reference materials in all test areas.

- CSA / B149-20 Complete Bundle Code 20340247
- Fundamentals of Gas Utilization by Dutton ISBN 9780919852358
- IPT / IPT Pipe Trades Training Manual ISBN 9780920855201
- IPT / IPT Crane And Rigging Training Manual ISBN 9780920855034
- Publications Saskatchewan / Saskatchewan Employment Act Code 20351540
- SASKPOWER / The Saskatchewan Codes of Practice Gas Installation Supplement CSA- B149.1–20 Code 20373924
- SASKPOWER / The Saskatchewan Codes of Practice Gas Installation Supplement CSA-B149.2–20 Code 20373948
- Siegenthaler / Modern Hydronic Heating and Cooling ISBN 9781337904919

Saskatchewan Polytechnic Modules Supplied by Program:

- Steamfitter/Pipefitter Apprentice Level 1 Course Pack 20392529
- Steamfitter/Pipefitter Apprentice Level 2 ILM Package
 - NAIT/SAIT / Specifications and Exercises for Drawing Package #1
 - NAIT/SAIT / Drawing Package #1 DP070207J VER 24.0
- Steamfitter/Pipefitter Apprentice Level 3 Course Pack Code 20392543
 - NAIT/SAIT / Exercises for Drawing Package #2 070207C VER 21.0 Code 20105266
 - NAIT/SAIT / Drawing Package #2 DP070207K VER 21.0 Code 2010532
 - NAIT/SAIT / Specifications for Drawing Package #2 070207b-2008 VER V Code 20400378
- Steamfitter/Pipefitter Apprentice Level 4 Package

Individual Learning Modules (ILMs) for the Steamfitter/Pipefitter trade may be ordered through the Saskatchewan Polytechnic Bookstore Call Centre: 1-866-569-8398 or through www.tradesecrets.org under Steamfitter/Pipefitter.

Those studying for their Interprovincial examination may wish to refer to other Level booklists for additional study materials.

*Unless otherwise noted, books listed here are available through the Saskatchewan Polytechnic Bookstore Call Centre: 1-866-569-8398

NOTE: Textbooks **are not** usually available from libraries. When textbooks are being purchased, candidates should allow several weeks for delivery and several weeks for studying.

FORM # 2022 040125

This information is subject to change without notice.