

# Plumber

## Interprovincial Journeyman Examination Information

<b>Apprentice Requirements:</b>	4 years and 7200 hours
<b>Tradesperson Requirements:</b>	6 years and 10800 hours
<b>Practical Examination:</b>	No

The interprovincial (IP) journeyman 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](http://www.red-seal.ca).

To write the interprovincial journeyman 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 text explaining 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](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/conf/assets/custom/docms/plumber/self-assessment.pdf>.

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 web site at [www.saskapprenticeship.ca](http://www.saskapprenticeship.ca)

## Plumber - 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 Major Work Activities (MWA), which are then divided into Tasks, and then more specifically 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 - 125 questions\*

Subject	Percent	Number of Questions
<b>MWA A: Performs Common Occupational Skills</b>	11%	
<b>Task A-1</b> Performs safety related functions		3
<b>Task A-2</b> Uses and maintains tools and equipment		4
<b>Task A-3</b> Organizes work		3
<b>Task A-4</b> Performs routine trade activities		5
<b>Task A-5</b> Uses communication and mentoring techniques		1
<b>MWA B: Prepares and Assembles Tube, Tubing and Pipe</b>	10%	
<b>Task B-6</b> Prepares tube, tubing and pipe		6
<b>Task B-7</b> Joins tube, tubing and pipe		7
<b>MWA C: Installs, Tests and Services Sewers, Sewage Treatment Systems and Drainage, Waste and Vent (DWV) Systems</b>	26%	
<b>Task C-8</b> Installs, tests and services sewers		6
<b>Task C-9</b> Installs, tests and services sewage treatment systems		5
<b>Task C-10</b> Installs, tests and services interior drainage, waste and vent (DWV) systems		20
<b>MWA D: Installs, Tests and Services Water Service and Distribution</b>	19%	
<b>Task D-11</b> Installs, tests and services water services		5
<b>Task D-12</b> Installs, tests and services potable water distribution systems		12
<b>Task D-13</b> Installs, tests and services private water pressure systems		6

<b>MWA E: Installs, Tests and Services Fixtures, Appliances and Water Treatment Systems</b>	13%	
<b>Task E-14</b> Installs, tests and services plumbing fixtures and appliances		10
<b>Task E-15</b> Installs, tests and services water treatment systems		6
<b>MWA F: Installs, Tests and Services Low Pressure Steam and Hydronic Systems</b>	13%	
<b>Task F-16</b> Installs, tests and services low pressure steam systems (Not Common Core)		0
<b>Task F-17</b> Installs, tests and services piping and components for hydronic systems		9
<b>Task F-18</b> Installs, tests and services hydronic heating and cooling equipment		7
<b>MWA G: Installs, Tests and Services Specialized Systems</b>	8%	
<b>Task G-19</b> Installs, tests and process piping systems		5
<b>Task G-20</b> Installs, tests and services potable water fire protection systems (Not Common Core)		0
<b>Task G-21</b> Installs, tests and services other specialized systems		5
<b>Total</b>	100%	125

*\*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.*

**Note:**

- Examinations are based on the 2020 National Plumbing Code
- Candidates writing the examination will be provided a copy of the National Plumbing Code Book.  
A **Reference Material Booklet** will also be supplied with the examination. The Reference Material Booklet will include Acronyms, Formulas and Figures/Diagrams.
- The following can be found in the formula section of the Reference Material Booklet;
  - Mathematical formulas
  - Hydronic Thermal Formulas
  - Table of Conversion Factors – to convert from one form of measurement to another
- **It is highly recommended that when starting the examination, the candidate reviews the Reference Material Booklet to become familiar with the material given to write the examination.**

## **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 text 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.

### **Purchased from Bookstore:**

- Canadian Plumbing Design and Installation White ISBN 9780826906496
- Code for the Field Approval of Fuel Burning appliances CSA B149.3-20 ISBN 9781488322815
- Fundamentals of Gas Utilization by Dutton ISBN 9780919852358
- Low Pressure Boilers Workbook Steingress ISBN 0826943721
- Modern Hydronic Heating Siegenthaler ISBN 978428335158
- National Plumbing Code of Canada National Research Council 2020 Code ISBN 9780660379180
- Pipe Trades Training Manual IPT Publishing and Training Ltd. Edmonton Alberta ISBN 9780920855201
- Saskatchewan Codes of Practice Sask Power CSA B149.1-20 SKU 20337353
- Saskatchewan Codes of Practice Sask Power CSA B149.2-20 SKU 20337377
- Saskatchewan Codes of Practice Sask Power CSA B149.3-20 SKU 20337391
- Saskatchewan Codes of Practice Complete Bundle Sask Power CSA B149-20 SKU 20340247
- Saskatchewan Employment Act Publications Saskatchewan SKU 20351540

### **Supplied by Program:**

- Plumbing Apprentice Level 1 Package SKU 20333904
- Plumbing Apprentice Level 2 Package SKU 20333911
- Plumbing Apprentice Level 3 Package SKU 20333928
- Plumbing Apprentice Level 4 Package SKU 20334260

### **Loaned by Program:**

- Information No Materials Required SKU 20076122
- Installation Code for Hydronic Heating Systems CSA B214-21 SKU 20358334
- Low Pressure Boilers Steingress ISBN 0826943721

Individual Learning Modules (ILMs) for the Plumber trade may be ordered through the Saskatchewan Polytechnic Bookstore Call Centre: 1-866-569-8398 or through <https://ilm.nait.ca/home> under Plumber.

Modules for the Plumber trade developed by the Industry Training Authority of British Columbia are also available at: [https://www.crownpub.bc.ca/Product/Listing/13503\\_BC-Trades?WT.ac=hpsl\\_BCtrades](https://www.crownpub.bc.ca/Product/Listing/13503_BC-Trades?WT.ac=hpsl_BCtrades) under Plumber.

\*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 texts are being purchased, candidates should allow several weeks for delivery and several weeks for studying.

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This information is subject to change without notice.

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