



# **RED SEAL EXAM**

# **SELF-ASSESSMENT GUIDE**

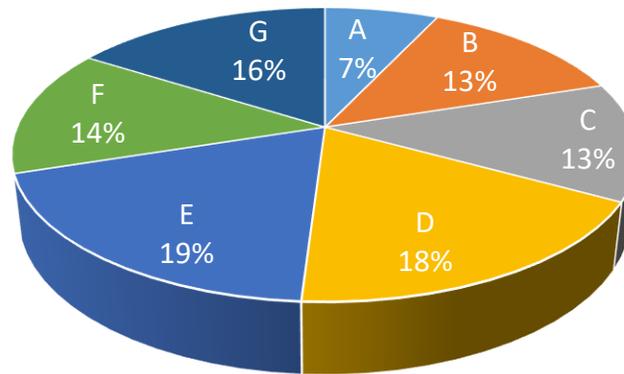
## **GASFITTER – CLASS B**



# Red Seal Exam Weighting

This pie chart represents the distribution of questions on the Red Seal Exam. The self-assessment on the next pages shows the Tasks and Sub-tasks within each Block and the number of questions assigned to each Block and Task.

The Red Seal Exam for this trade has 100 questions.



	<b>Block / Exam Section</b>	<b>Number of Questions out of 100</b>
A	Common Occupational Skills	7
B	Gas piping preparation and assembly	13
C	Venting and air supply systems	13
D	Controls and electrical systems	18
E	Installation of systems and equipment	19
F	Testing and commissioning of gas-fired systems	14
G	Servicing gas-fired systems	16

# Breakdown of Red Seal Exam Questions and Self-Assessment

Rate your own understanding and experience with each task. Look at the activities that make up each task and consider your experience with them when rating yourself. Be honest!

-  **LOW** I have **no or very little understanding or experience** in this activity
-  **MEDIUM** I **understand** this activity and have **some experience** doing it in **limited** situations
-  **HIGH** I have a **very good understanding** of this activity and am **fully competent** in doing it in **many** situations

This is not intended to accurately predict how you will actually do on the exam – there may be areas where you are over-confident or under-confident. But it should give you an idea of your strengths and weaknesses.

After you rate your own knowledge and experience as **LOW**, **MEDIUM** or **HIGH**, check how many questions there are and write down how many you think you will get correct.

**LOW**, you may not get many of those questions right.

**MEDIUM**, you might get some right.

**HIGH**, you expect to be able to get most of those questions right.

Comparing your scores with the number of questions on the exam will help you identify which areas you need to prepare the most. Add up your scores from each section to get an idea of your overall readiness for the exam.

	 <b>LOW</b> <b>Understanding</b> <b>/ Experience</b>	 <b>MEDIUM</b> <b>Understanding</b> <b>/ Experience</b>	 <b>HIGH</b> <b>Understanding</b> <b>/ Experience</b>	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>A – Common Occupational Skills</b>					
1. Performs safety-related functions. 1.01 Uses personal protective equipment (PPE) and safety equipment. 1.02 Maintains safe work environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
2. Maintains and uses tools and equipment. 2.01 Maintains hand, power and powder-actuated tools. 2.02 Uses technical instruments and testers. 2.03 Uses access equipment. 2.04 Operates lifting, rigging and hoisting equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	

	 <b>LOW</b> <b>Understanding</b> <b>/ Experience</b>	 <b>MEDIUM</b> <b>Understanding</b> <b>/ Experience</b>	 <b>HIGH</b> <b>Understanding</b> <b>/ Experience</b>	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
3. Plans and prepares for installation, service and maintenance. 3.01 Interprets drawings and codes. 3.02 Selects systems, equipment and components. 3.03 Organizes work.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	
Total number of questions for this section:				7	SUM OF YOUR EXPECTED CORRECT ANSWERS <div style="background-color: #cccccc; height: 20px; width: 100%;"></div>

	● <b>LOW</b> Understanding / Experience	● <b>MEDIUM</b> Understanding / Experience	● <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>B - Gas Piping Preparation and Assembly</b>					
4. Fits tube and tubing for gas piping systems. 4.01 Prepares tube and tubing for fitting. 4.02 Bends tube and tubing for gas piping systems. 4.03 Connects tube and tubing for gas piping systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	<input type="text"/>
5. Fits plastic pipe for gas piping systems. 5.01 Prepares plastic pipe for fitting. 5.02 Connects plastic pipe for gas piping systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input type="text"/>
6. Fits steel pipe for gas piping systems. 6.01 Prepares steel pipe for fitting. 6.02 Connects steel pipe for gas piping systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input type="text"/>
Total number of questions for this section:				<b>13</b>	<b>SUM OF YOUR EXPECTED CORRECT ANSWERS</b> <input type="text"/>

	 <b>LOW</b> <b>Understanding</b> <b>/ Experience</b>	 <b>MEDIUM</b> <b>Understanding</b> <b>/ Experience</b>	 <b>HIGH</b> <b>Understanding</b> <b>/ Experience</b>	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>C – Venting and Air Supply Systems</b>					
7. Installs venting. 7.01 Lays out venting. 7.02 Prepares venting material for assembly. 7.03 Connects material for venting.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input type="text"/>
8. Installs air supply system. 8.01 Lays out air supply system. 8.02 Connects air supply systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	<input type="text"/>
9. Installs draft control systems. 9.01 Installs natural draft control systems. 9.02 Installs mechanical draft control systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input type="text"/>
Total number of questions for this section:				<b>13</b>	<input type="text"/>

	 <b>LOW</b> <b>Understanding</b> <b>/ Experience</b>	 <b>MEDIUM</b> <b>Understanding</b> <b>/ Experience</b>	 <b>HIGH</b> <b>Understanding</b> <b>/ Experience</b>	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>D - Controls and Electrical Systems</b>					
10. Selects and installs electronic components. 10.01 Performs selection and installation of combustion controls. 10.02 Performs selection and installation of flame safeguards. 10.03 Performs selection and installation of safety and operating controls.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	<input type="text"/>
11. Selects and installs electrical components. 11.01 Selects electrical components. 11.02 Performs assembly and connection of electrical components.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	<input type="text"/>

	 <b>LOW</b> <b>Understanding</b> <b>/ Experience</b>	 <b>MEDIUM</b> <b>Understanding</b> <b>/ Experience</b>	 <b>HIGH</b> <b>Understanding</b> <b>/ Experience</b>	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
12. Installs automation and instrumentation control systems. 12.01 Performs selection of automation and instrumentation control systems. 12.02 Performs assembly and connection of automation and instrumentation control systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	
Total number of questions for this section:				<b>18</b>	SUM OF YOUR EXPECTED CORRECT ANSWERS <div style="background-color: #cccccc; height: 20px; width: 100%;"></div>

	 <b>LOW</b> Understanding / Experience	 <b>MEDIUM</b> Understanding / Experience	 <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>E - Installation of Systems and Equipment</b>					
13. Installs gas-fired system piping and equipment. 13.01 Installs gas-fired equipment. 13.02 Installs gas piping systems. 13.03 Connects gas supply to equipment. 13.04 Connects equipment to energy distribution systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	
14. Installs gas-fired system components. 14.01 Installs valve trains. 14.02 Installs accessories.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	

	 <b>LOW</b> <b>Understanding</b> <b>/ Experience</b>	 <b>MEDIUM</b> <b>Understanding</b> <b>/ Experience</b>	 <b>HIGH</b> <b>Understanding</b> <b>/ Experience</b>	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
15. Installs propane storage and handling systems. 15.01 Installs propane storage systems. 15.02 Installs propane handling systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	
Total number of questions for this section:				<b>19</b>	SUM OF YOUR EXPECTED CORRECT ANSWERS <div style="background-color: #cccccc; height: 20px; width: 100%;"></div>

	 <b>LOW</b> <b>Understanding</b> <b>/ Experience</b>	 <b>MEDIUM</b> <b>Understanding</b> <b>/ Experience</b>	 <b>HIGH</b> <b>Understanding</b> <b>/ Experience</b>	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>F - Testing and Commissioning of Gas Fired Systems</b>					
16. Tests gas-fired systems. 16.01 Tests gas piping systems. 16.02 Performs start-up procedures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	<input type="text"/>
17. Commissions gas-fired systems. 17.01 Performs testing, adjusting and balancing procedures. 17.02 Completes commissioning report and handover.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	<input type="text"/>
Total number of questions for this section:				<b>14</b>	SUM OF YOUR EXPECTED CORRECT ANSWERS <input type="text"/>

	 <b>LOW</b> <b>Understanding</b> <b>/ Experience</b>	 <b>MEDIUM</b> <b>Understanding</b> <b>/ Experience</b>	 <b>HIGH</b> <b>Understanding</b> <b>/ Experience</b>	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
<b>G – Servicing Gas Fired Systems</b>					
18. Maintains gas-fired systems. 18.01 Inspects system components and operation. 18.02 Performs maintenance activities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	
19. Repairs gas-fired systems. 19.01 Diagnoses gas-fired equipment and components. 19.02 Selects replacement components. 19.03 Replaces components. 19.04 Verifies operation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	

	 <b>LOW</b> Understanding / Experience	 <b>MEDIUM</b> Understanding / Experience	 <b>HIGH</b> Understanding / Experience	Number of questions on the Red Seal exam	Based on your self-rating, how many of the questions do you think you will get correct?
20. Decommissions gas-fired systems. 20.01 Disconnects appliances and accessories. 20.02 Removes gas-fired systems and components.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input type="text"/>
Total number of questions for this section:				<b>16</b>	SUM OF YOUR EXPECTED CORRECT ANSWERS <input type="text"/>
Now, add up the totals you gave yourself for each section.				TOTAL NUMBER OF QUESTIONS 100	MY EXPECTED TOTAL <input type="text"/>

## **Interpreting your Self-Assessment**

What score did you give yourself?

Divide it by the number of questions to get a percentage.

The passing mark for the Red Seal exam is 70%. If you rated yourself higher than that overall, you feel pretty confident that your experience and knowledge in the trade are good enough for a pass. However, remember that this self-assessment is just a guide. We still encourage you to develop a study plan and to consider the areas where you rated yourself as less confident.

If your overall score is less than 70%, you might have more work to do. Look more closely at your scores section by section. What are the areas where you have the most to gain?

Look over the Red Seal Exam Preparation Guide for more advice.