



RED SEAL EXAM

SELF-ASSESSMENT GUIDE

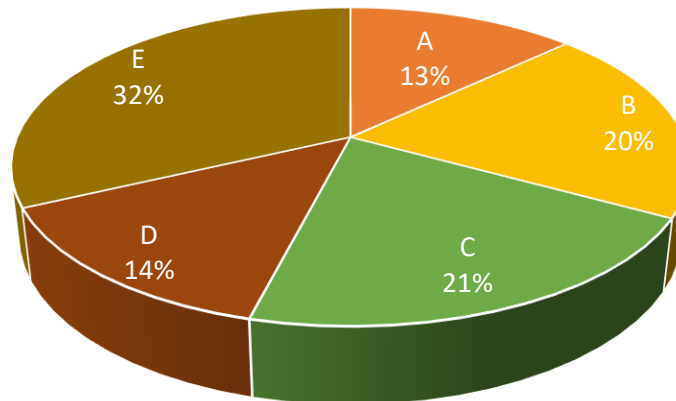
TOWER CRANE OPERATOR



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.



	Block / Exam Section	Number of Questions out of 100
A	Common Occupational Skills	13
B	Crane Inspection and Maintenance	20
C	Crane Set-up, Hoisting Calculations and Lift Planning	21
D	Rigging	14
E	Crane Operations	32

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 of 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.

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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?
A - Common Occupational Skills					
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"/>	7	<input type="text"/>
2. Contributes to workplace organization. 2.01 Communicates with others. 2.02 Uses documentation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input type="text"/>
Total number of questions for this section:				13	SUM OF YOUR EXPECTED CORRECT ANSWERS <input type="text"/>

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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 - Crane Inspection and Maintenance					
<p>3. Performs pre operational checks and regular inspections.</p> <p>3.01 Inspects structural components.</p> <p>3.02 Inspects mechanical components.</p> <p>3.03 Inspects lines and wire ropes.</p> <p>3.04 Inspects hydraulic system components.</p> <p>3.05 Inspects electrical system components.</p> <p>3.06 Inspects support components.</p> <p>3.07 Inspects track travel components.</p> <p>3.08 Inspects cab components.</p> <p>3.09 Inspects safety and access components.</p> <p>3.10 Completes inspection documentation.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10	<input type="text"/>
<p>4. Performs continual checks.</p> <p>4.01 Monitors site conditions.</p> <p>4.02 Monitors lines and wire ropes.</p> <p>4.03 Monitors equipment performance and conditions.</p> <p>4.04 Monitors structural and support components.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	<input type="text"/>

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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?
5. Performs minor crane maintenance. 5.01 Maintains mechanical components. 5.02 Lubricates wire ropes and crane components.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	
Total number of questions for this section:				20	SUM OF YOUR EXPECTED CORRECT ANSWERS

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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?
C - Crane Set up, Hoisting Calculations and Lift Planning					
6. Participates in tower crane assembly, disassembly and transportation. 6.01 Participates in crane assembly. 6.02 Participates in crane disassembly. 6.03 Transports self-erecting tower crane. (NOT COMMON CORE) 6.04 Participates in assembly and disassembly of self-erecting tower cranes. (NOT COMMON CORE)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	
7. Plans lifts. 7.01 Interprets load charts. 7.02 Plans work procedures. 7.03 Prepares for specialty lifts.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	
Total number of questions for this section:				21	SUM OF YOUR EXPECTED CORRECT ANSWERS

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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?
D - Rigging					
8. Inspects and maintains rigging equipment. 8.01 Identifies deficiencies in slings and hardware. 8.02 Lubricates slings and hardware. 8.03 Stores rigging equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="text"/>
9. Manages rigging. 9.01 Selects required rigging equipment. 9.02 Rigs load. 9.03 Monitors rigging.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	<input type="text"/>
Total number of questions for this section:				14	SUM OF YOUR EXPECTED CORRECT ANSWERS <input type="text"/>

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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?
E - Crane Operations					
10. Performs pre lift (warm-up) activities. 10.01 Performs function test. 10.02 Confirms limits.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<hr/>
11. Operates tower cranes. 11.01 Trolleys carriage. 11.02 Booms (luffs) up and down. 11.03 Swings (slews) jib. 11.04 Hoists load. 11.05 Travels crane. 11.06 Performs functions simultaneously.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	<hr/>
12. Climbs (raises) tower cranes. 12.01 Performs bottom-climbing procedures. 12.02 Performs top-climbing procedures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<hr/>
13. Performs specialty tower crane operations. 13.01 Participates in multi-crane lifts. 13.02 Operates in multi-crane site. 13.03 Hoists personnel.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<hr/>

	● LOW Understanding / Experience	● MEDIUM Understanding / Experience	● HIGH 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?
14. Shuts down and secures tower cranes. 14.01 Secures crane while leaving controls. 14.02 Secures crane while unattended. 14.03 Secures crane for extended periods.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	<input type="text"/>
Total number of questions for this section:				32	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.