



RED SEAL EXAM

SELF-ASSESSMENT GUIDE

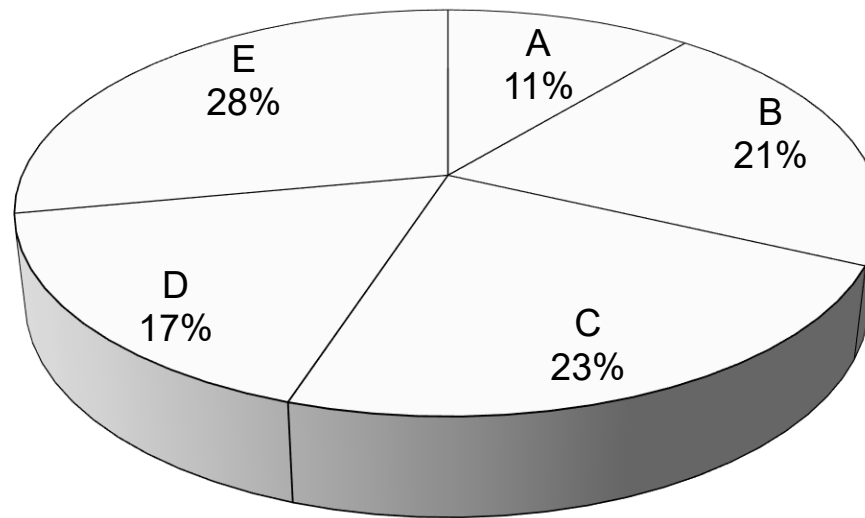
Tower Crane Operator



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 Major Work Activity and the number of questions assigned to each Major Work Activity and Task.




The Red Seal Exam for this trade has 100 questions.



	Major Work Activity / Exam Section	Percentage of Questions
A	Performs common occupational skills	11%
B	Inspects and maintains crane	21%
C	Performs crane set-up, hoisting calculations and lift planning	23%
D	Performs rigging	17%
E	Operates crane	28%

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.













	 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 – Performs common occupational skills					
Task A-1 Performs safety-related functions A-1.01 Maintains safe work environment A-1.02 Uses personal protective equipment (PPE) and safety equipment A-1.03 Uses documentation				4	
Task A-2 Uses communication and mentoring techniques A-2.01 Uses communication techniques A-2.02 Uses mentoring techniques				5	
					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				9	







	 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 – Inspects and maintains crane					
Task B-3 Performs pre-operational checks and regular inspections B-3.01 Inspects structural components B-3.02 Inspects mechanical components B-3.03 Inspects lines, wire ropes and hoisting system components B-3.04 Inspects hydraulic system components B-3.05 Inspects electrical system components B-3.06 Inspects support components B-3.07 Inspects track (rail) travel components B-3.08 Inspects cab components B-3.09 Inspects safety and access components B-3.10 Completes inspection documentation				4	
Task B-4 Performs continual checks B-4.01 Monitors weather conditions B-4.02 Monitors site conditions B-4.03 Monitors lines, wire ropes and hoisting system components B-4.04 Monitors equipment performance and conditions B-4.05 Monitors structural and support components				4	

	 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?
Task B-5 Performs minor crane maintenance B-5.01 Maintains mechanical components B-5.02 Lubricates wire ropes and crane components				5	
Total number of questions for this section:				22	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 – Performs crane set-up, hoisting calculations and lift planning					
Task C-6 Participates in tower crane assembly, disassembly and transportation C-6.01 Participates in crane assembly C-6.02 Participates in crane disassembly C-6.03 Transports self-erecting tower crane C-6.04 Participates in assembly and disassembly of self-erecting tower cranes				8	
Task C-7 Participates in tower crane climbing and reconfigurations C-7.01 Participates in bottom-climbing procedures C-7.02 Participates in top-climbing procedures C-7.03 Participates in crane reconfiguration				4	
Task C-8 Plans lifts C-8.01 Determines load weights C-8.02 Interprets load charts C-8.03 Plans work procedures C-8.04 Prepares for specialty lifts				8	
Total number of questions for this section:				12	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 – Performs rigging					
Task D-9 Inspects, maintains and stores rigging equipment D-9.01 Identifies deficiencies in slings and hardware D-9.02 Lubricates slings and hardware D-9.03 Stores rigging equipment				10	
Task D-10 Follows rigging procedures D-10.01 Selects required rigging equipment and configuration D-10.02 Rigs load D-10.03 Monitors rigging				7	
Total number of questions for this section:				17	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?
E – Operates crane					
Task E-11 Performs pre lift (warm-up) activities E-11.01 Performs function test E-11.02 Confirms limits				8	<div></div>
Task E-12 Operates tower cranes E-12.01 Moves trolley in and out E-12.02 Booms (luffs) up and down E-12.03 Swings (slews) jib E-12.04 Hoists load E-12.05 Travels crane E-12.06 Performs functions simultaneously				6	<div></div>
Task E-13 Performs specialty tower crane operations E-13.01 Participates in multi-crane lifts E-13.02 Operates in multi-crane site E-13.03 Hoists personnel				5	<div></div>

	 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?
Task E-14 Shuts down and secures tower cranes E-14.01 Secures crane while leaving controls (short-term) E-14.02 Secures crane while out of service				4	
Total number of questions for this section:	23				SUM OF YOUR EXPECTED CORRECT ANSWERS
Now, add up the totals you gave yourself for each section.	TOTAL NUMBER OF QUESTIONS 100				MY EXPECTED TOTAL

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.