



RED SEAL EXAM

SELF-ASSESSMENT GUIDE

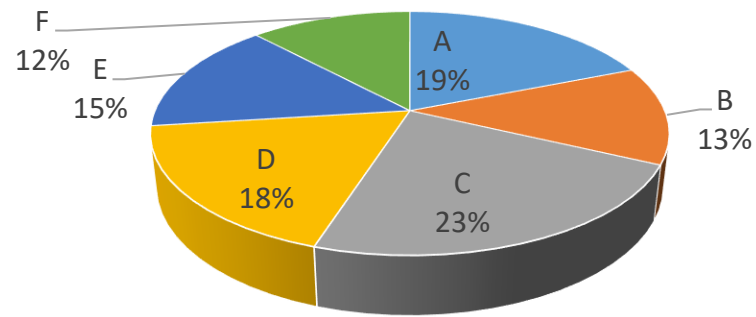
INDUSTRIAL MECHANIC (MILLWRIGHT)



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 135 questions.



	Major Work Activity / Exam Section	Percentage of Questions	Number of Questions out of 135
A	Performs common occupational skills	19%	25
B	Performs rigging, hoisting/lifting and moving	13%	17
C	Services mechanical power transmission components and systems	23%	32
D	Services material handling / process systems	18%	24
E	Services fluid power systems	15%	21
F	Performs preventative and predictive maintenance, commissioning and decommissioning	12%	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 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 – Performs common occupational skills					
Task A-1 Performs safety-related functions A-1.01 Uses personal protective equipment (PPE) and safety equipment A-1.02 Maintains safe worksite A-1.03 Protects the environment A-1.04 Performs lock-out/tag-out and zero-energy state procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	
Task A-2 Uses tools and equipment A-2.01 Uses hand and portable power tools A-2.02 Uses shop machines A-2.03 Uses access equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	




	 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 A-3 Performs routine trade tasks A-3.01 Plans work A-3.02 Fabricates work piece A-3.03 Lubricates systems and components A-3.04 Performs leveling of components and systems A-3.05 Uses fastening and retaining devices A-3.06 Performs material identification A-3.07 Performs heat treatment of metal A-3.08 Uses mechanical drawings and schematics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	<input type="text"/>
Task A-4 Uses communication and mentoring techniques A-4.01 Uses communication techniques A-4.02 Uses mentoring techniques	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	<input type="text"/>
Task A-5 Performs measuring and layout A-5.01 Prepares work area, tools and materials A-5.02 Measures material and components A-5.03 Lays out components A-5.04 Maintains precision measuring and layout tools	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	<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?
Task A-6 Performs cutting and welding operations A-6.01 Cuts material with oxy-fuel and plasma arc equipment A-6.02 Joins material using oxy-fuel welding equipment A-6.03 Welds material using shielded metal arc welding (SMAW) equipment A-6.04 Welds material with gas metal arc welding (GMAW) equipment A-6.05 Welds material with gas tungsten arc welding (GTAW) equipment (NOT COMMON CORE) A-6.06 Maintains welding equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	<input type="text"/>
Total number of questions for this section:				25	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 – Performs rigging, hoisting/lifting and moving					
Task B-7 Plans rigging, hoisting/lifting and moving B-7.01 Determines load B-7.02 Selects rigging equipment B-7.03 Selects hoisting/lifting and moving equipment B-7.04 Secures area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	
Task B-8 Rigs, hoists/lifts and moves load B-8.01 Sets up rigging, hoisting/lifting and moving equipment B-8.02 Performs hoist/lift and move B-8.03 Maintains rigging, hoisting/lifting and moving equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	
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?
C – Services mechanical power transmission components and systems					
Task C-9 Services prime movers C-9.01 Installs prime movers C-9.02 Diagnoses prime movers C-9.03 Maintains prime movers C-9.04 Repairs prime movers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="text"/>
Task C-10 Services shafts, bearings and seals C-10.01 Installs shafts, bearings and seals C-10.02 Diagnoses shafts, bearings and seals C-10.03 Maintains shafts, bearings and seals C-10.04 Repairs shafts, bearings and seals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input type="text"/>
Task C-11 Services couplings, clutches and brakes C-11.01 Installs couplings, clutches and brakes C-11.02 Diagnoses couplings, clutches and brakes C-11.03 Maintains couplings, clutches and brakes C-11.04 Repairs couplings, clutches and brakes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<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?
Task C-12 Services chain and belt drive systems C-12.01 Installs chain and belt drive systems C-12.02 Diagnoses chain and belt drive systems C-12.03 Maintains chain and belt drive systems C-12.04 Repairs chain and belt drive systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="text"/>
Task C-13 Services gear systems C-13.01 Installs gear systems C-13.02 Diagnoses gear systems C-13.03 Maintains gear systems C-13.04 Repairs gear systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="text"/>
Task C-14 Performs shaft alignment procedures C-14.01 Performs rough alignment C-14.02 Performs dial alignment C-14.03 Performs laser alignment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	<input type="text"/>
Total number of questions for this section:				32	<input type="text"/>
					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 – Services material handling / process systems					
Task D-15 Services robotics and automated equipment D-15.01 Installs robotics and automated equipment D-15.02 Diagnoses robotics and automated equipment D-15.03 Maintains robotics and automated equipment D-15.04 Repairs robotics and automated equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
Task D-16 Services fans and blowers D-16.01 Installs fans and blowers D-16.02 Diagnoses fans and blowers D-16.03 Maintains fans and blowers D-16.04 Repairs fans and blowers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	
Task D-17 Services pumps D-17.01 Installs pumps D-17.02 Diagnoses pumps D-17.03 Maintains pumps D-17.04 Repairs pumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	

	 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 D-18 Services compressors D-18.01 Installs compressors D-18.02 Diagnoses compressors D-18.03 Maintains compressors D-18.04 Repairs compressors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	
Task D-19 Services process piping, tanks and containers D-19.01 Installs process tanks and containers D-19.02 Installs process piping D-19.03 Diagnoses process tanks and containers D-19.04 Diagnoses process piping D-19.05 Maintains process tanks and containers D-19.06 Maintains process piping D-19.07 Repairs process tanks and containers D-19.08 Repairs process piping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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 D-20 Services conveying systems D-20.01 Installs conveying systems D-20.02 Diagnoses conveying systems D-20.03 Maintains conveying systems D-20.04 Repairs conveying systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="text"/>
Total number of questions for this section:				24	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 – Services fluid power systems					
Task E-21 Services hydraulic systems E-21.01 Installs hydraulic systems E-21.02 Diagnoses hydraulic systems E-21.03 Maintains hydraulic systems E-21.04 Repairs hydraulic systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12	<input type="text"/>
Task E-22 Services pneumatic and vacuum systems E-22.01 Installs pneumatic and vacuum systems E-22.02 Diagnoses pneumatic and vacuum systems E-22.03 Maintains pneumatic and vacuum systems E-22.04 Repairs pneumatic and vacuum systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	<input type="text"/>
Total number of questions for this section:				21	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?
F–Performs preventative/predictive maintenance, commissioning and decommissioning					
Task F-23 Performs preventative/predictive maintenance F-23.01 Performs preventative maintenance activities F-23.02 Performs vibration analysis procedures F-23.03 Performs balancing procedures F-23.04 Performs non-destructive testing (NDT) procedures F-23.05 Performs fluid analysis procedures F-23.06 Performs predictive maintenance activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11	
Task F-24 Commissions and decommissions equipment F-24.01 Commissions systems and components F-24.02 Decommissions systems and components	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	
Total number of questions for this section:				16	SUM OF YOUR EXPECTED CORRECT ANSWERS

	<p>● LOW Understanding / Experience</p>	<p>● MEDIUM Understanding / Experience</p>	<p>● HIGH Understanding / Experience</p>	<p>Number of questions on the Red Seal exam</p>	<p>Based on your self-rating, how many of the questions do you think you will get correct?</p>
<p>Now, add up the totals you gave yourself for each section.</p>				<p>TOTAL NUMBER OF QUESTIONS 135</p>	<p>MY EXPECTED TOTAL <input type="text"/></p>

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.