RED SEAL EXAM
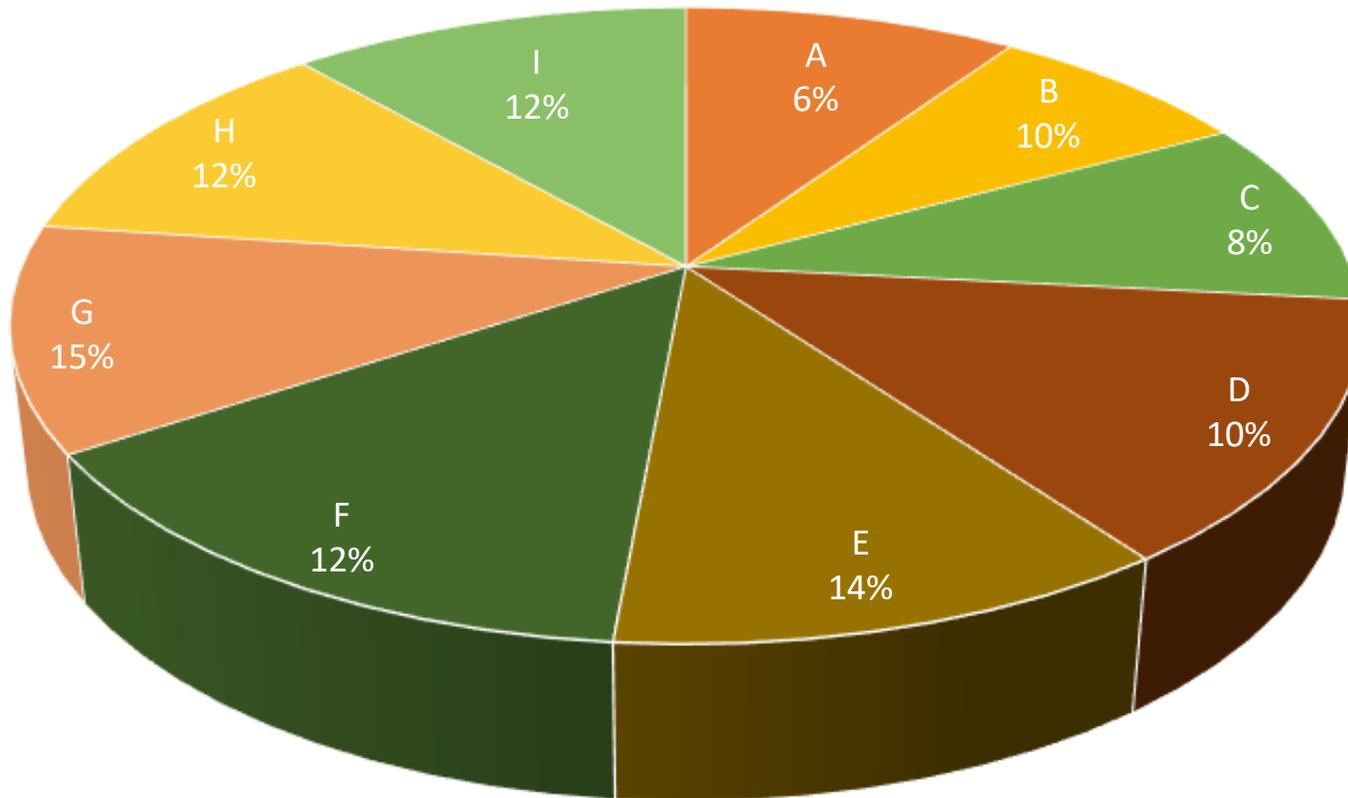# SELF-ASSESSMENT GUIDE

MOTORCYCLE TECHNICIAN

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 130 questions.

	Major Work Activity / Exam Section	Percentage of Questions	Number of Questions out of 130
A	Performs common occupational skills	6%	8
B	Maintains chassis and suspension	10%	13
C	Maintains wheels and tires	8%	11
D	Maintains brakes	10%	13
E	Maintains engines	14%	18
F	Maintains power transfer	12%	16
G	Maintains electrical systems	15%	20
H	Maintains vehicle management systems	12%	16
I	Maintains fuel and exhaust systems	12%	15

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					

1. Performs safety-related functions
    1.01 Maintains safe work environment
    1.02 Uses personal protective equipment (PPE) and safety equipment
	❑	❑	❑	2	

2. Performs routine work practices
    2.01 Uses trade-related consumables
    2.02 Performs periodic maintenance
    2.03 Performs storage procedures
    2.04 Prepares new motorcycles
    2.05 Conducts safety inspection
    2.06 Verifies repairs
	❑	❑	❑	2	

	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?

3. Uses tools, equipment and documentation
    3.01 Uses diagnostic tools and equipment
    3.02 Uses precision measuring instruments
    3.03 Uses hand tools
    3.04 Uses heating/cutting tools and equipment
    3.05 Uses pneumatic and electric power tools and equipment
    3.06 Uses shop equipment
    3.07 Uses documentation
	☐	☐	☐	2	

4. Uses communication and mentoring techniques
    4.01 Uses communication techniques
    4.02 Uses mentoring techniques
	☐	☐	☐	2	

					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				**8**	

	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 - Maintains chassis and suspension					

5. Diagnoses chassis and components
  5.01 Diagnoses frame
  5.02 Diagnoses steering head
  5.03 Diagnoses steering systems for three-wheel motorcycles
  5.04 Diagnoses handle bars, foot rests and controls
  5.05 Diagnoses chassis ancillary and accessory components
	☐	☐	☐	3	

6. Services chassis and components
  6.01 Services frame
  6.02 Services steering head
  6.03 Services steering systems for three-wheel motorcycles
  6.04 Services handle bars, foot rests and controls
  6.05 Services chassis ancillary and accessory components
	☐	☐	☐	3	

	● 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?

7. Diagnoses suspension systems
    7.01 Diagnoses front suspension components
    7.02 Diagnoses front suspension components for three-wheel motorcycles
    7.03 Diagnoses rear suspension components
    7.04 Diagnoses swing arm
	☐	☐	☐	4	

8. Services suspension systems
    8.01 Services front suspension components
    8.02 Services front suspension components for three-wheel motorcycles
    8.03 Services rear suspension components
    8.04 Services swing arm
	☐	☐	☐	3	

					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				13	

	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 - Maintains wheels and tires					
9. Diagnoses wheels and tires 9.01 Diagnoses tires 9.02 Diagnoses spoked wheels 9.03 Diagnoses one-piece wheels 9.04 Diagnoses multi-piece wheels	☐	☐	☐	5	
10. Services wheels and tires 10.01 Services tires 10.02 Services spoked wheels 10.03 Services one-piece wheels 10.04 Services multi-piece wheels	☐	☐	☐	6	
					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				**11**	

	● **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 - Maintains brakes					

11. Diagnoses braking systems
    11.01 Diagnoses hydraulic braking systems
    11.02 Diagnoses mechanical braking systems
    11.03 Diagnoses braking control systems
	☐	☐	☐	6	

12. Services braking systems
    12.01 Services hydraulic braking systems
    12.02 Services mechanical braking systems
    12.03 Services braking control systems
	☐	☐	☐	7	

					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				**13**	

	● 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 - Maintains engines					
13. Diagnoses two-stroke and four-stroke engines 13.01 Diagnoses cylinder heads 13.02 Diagnoses valve systems on two-stroke engine 13.03 Diagnoses valve train on four-stroke engine 13.04 Diagnoses cylinders and pistons 13.05 Diagnoses crankshaft assembly 13.06 Diagnoses counterbalance assemblies 13.07 Diagnoses engine cases 13.08 Diagnoses lubrication system 13.09 Diagnoses cooling system	☐	☐	☐	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?

14. Services two-stroke and four-stroke engines
   14.01 Services cylinder heads on four-stroke engine
   14.02 Services valve systems on two-stroke engine
   14.03 Services valve train on four-stroke engine
   14.04 Services cylinders and pistons
   14.05 Services crankshaft assembly
   14.06 Services counterbalance assemblies
   14.07 Services engine cases
   14.08 Services lubrication system
   14.09 Services cooling system
	❑	❑	❑	9	

					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				**18**	

	● **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 - Maintains power transfer					

15. Diagnoses clutches and primary drive
  15.01 Diagnoses primary drive and driven gears
  15.02 Diagnoses primary drive chain and sprockets
  15.03 Diagnoses primary drive belt and pulleys
  15.04 Diagnoses manual clutches
  15.05 Diagnoses automatic clutches
  15.06 Diagnoses kick start
	☐	☐	☐	2	

16. Services clutches and primary drives.
  16.01 Services primary drive gears.
  16.02 Services primary drive chains and sprockets.
  16.03 Services primary drive belts and pulleys.
  16.04 Services manual clutches.
  16.05 Services automatic clutches.
  16.06 Services kick start
	☐	☐	☐	3	

17. Diagnoses transmissions
  17.01 Diagnoses constant mesh transmissions
  17.02 Diagnoses continuously variable transmission (CVT)
	☐	☐	☐	2	

	● 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?

18. Services transmissions
    18.01 Services constant mesh transmissions
    18.02 Services continuously variable transmission (CVT)
	☐	☐	☐	4	

19. Diagnoses final drive
    19.01 Diagnoses final drive chain and sprockets
    19.02 Diagnoses final drive shaft and gears
    19.03 Diagnoses final drive belt and pulleys
	☐	☐	☐	2	

20. Services final drive
    20.01 Services final drive chain and sprockets
    20.02 Services final drive shaft and gears
    20.03 Services final drive belt and pulleys
	☐	☐	☐	3	

					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				**16**	

	● **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?
G - Maintains electrical systems					
21. Diagnoses electrical systems 21.01 Diagnoses battery and charging system 21.02 Diagnoses electrical ancillary and accessory components 21.03 Diagnoses wiring harness systems 21.04 Diagnoses ignition system 21.05 Diagnoses electric starting system	☐	☐	☐	14	
22. Services electrical systems 22.01 Services battery and charging system 22.02 Services electrical ancillary and accessory components 22.03 Services wiring harness systems 22.04 Services ignition system 22.05 Services electric starting system	☐	☐	☐	6	
					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				**20**	

	● 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?
H - Maintains vehicle management systems					

23. Diagnoses vehicle management systems
    23.01 Reads fault codes
    23.02 Interprets fault code results
    23.03 Tests system circuitry and components
	☐	☐	☐	11	

24. Services vehicle management systems
    24.01 Updates software
    24.02 Services system circuitry and components
	☐	☐	☐	5	

					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				**16**	

	● 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?
I - Maintains fuel and exhaust systems					

25. Diagnoses fuel and exhaust systems
    25.01 Diagnoses fuel tanks and components
    25.02 Diagnoses air delivery system
    25.03 Diagnoses carburetor system
    25.04 Diagnoses fuel injection system
    25.05 Diagnoses exhaust system
	☐	☐	☐	9	

26. Services fuel and exhaust systems
    26.01 Services fuel tanks and components
    26.02 Services air delivery system
    26.03 Services carburetor system
    26.04 Services fuel injection system
    26.05 Services exhaust system
	☐	☐	☐	6	

					SUM OF YOUR EXPECTED CORRECT ANSWERS
Total number of questions for this section:				**15**	

	● **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?
Now, add up the totals you gave yourself for each section.				TOTAL NUMBER OF QUESTIONS 130	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.