

RED SEAL STUDY GUIDE AUTOMOTIVE REFINISHING TECHNICIAN YEAR 4

**25 EXAM PREP QUESTIONS
WITH ANSWERS**



APPRENTICES | INSTRUCTORS | INSTITUTES

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UNITY CREST SOLUTIONS INC.

INTRODUCTION

Introducing the Red Seal Study Guide – Automotive Refinishing Technician.

Ready to dive into the world of Automotive Refinishing Technician? Meet your ultimate companion – the Red Seal Study Guide for Automotive Refinishing Technician. This practical booklet is your go-to practice tool to conquer your Automotive Refinishing Technician exam.

Presented in an easy Q&A format, this guide lets you preview the kinds of questions you'll tackle on the real exam day. Consider it a sneak peek into what's coming your way!

Inside its pages, you'll find a treasure trove of Automotive Refinishing Technician essentials. It's more than just answering questions – it's about truly grasping the basics of Automotive Refinishing Technician in a way that sticks. Whether you're starting fresh or aiming to refine your skills, this guide has got you covered.

So, get set to challenge yourself, learn in a breeze, and build up your Automotive Refinishing Technician expertise. With the Red Seal Study Guide, you're all set to take that significant stride toward becoming a certified Automotive Refinishing Technician.

Ready to get started? For more information, tips, and resources,



DISCLAIMER

Study Guide Disclaimer: Important Notice

The Red Seal Study Guide – Automotive Refinishing Technician is a reference tool meant to enhance your exam preparation. It offers insights into potential question formats. However, it's vital to know that this guide should complement, not replace, official government-issued study materials.

For comprehensive readiness, we recommend using both this guide and official resources provided by relevant authorities. Please note that this guide covers exams across Canadian provinces, but slight content variations might exist.

For your best chance at success, ensure a well-rounded preparation approach that includes official materials.

Good luck on your path to becoming a certified Automotive Refinishing Technician!

For more information, tips, and resources, head over to www.RedSealStudyGuide.ca



1. In a front-wheel drive vehicle, the engine and transaxle are mounted:

- A: Transversely
- B: Longitudinally
- C: Laterally
- D: Inline

2. To perform stud welds, what determines the required time?

- A: Stud diameter
- B: Length of the stud
- C: Voltage of the machine
- D: Size of the ferrule

3. The ideal water-to-sulfuric acid ratio for battery electrolytes is roughly

- A: 75% water:25% sulfuric acid
- B: 65% water:35% sulfuric acid
- C: 20% water :80% sulfuric acid
- D: 45% water: 55% sulfuric acid

4. Determine the most crucial factor when selecting a dolly for roughing out

- A: Dolly cost
- B: Hammer size
- C: Panel form
- D: Technician strength

5. The recommended air pressure for a disc sander is.

- A: 40 to 90psi
- B: 70 to 90psi
- C: 10 to 50psi
- D: 60 to 80 psi

See answers on the next page.



1. ☒ A ☐ B ☐ C ☐ D

Note: _____

2. ☒ A ☐ B ☐ C ☐ D

Note: _____

3. ☐ A ☒ B ☐ C ☐ D

Note: _____

4. ☐ A ☐ B ☒ C ☐ D

Note: _____

5. ☐ A ☐ B ☐ C ☒ D

Note: _____



6. What does the welding gun trigger do?

- A: Releases finger tension
- B: You can speak clearly with the welding gun
- C: Starts a chain reaction that triggers and activates
- D: Activates wire feed, gas flow

7. Lightweight body filler is plastic filler.

- A: True
- B: False

8. Define the two types of WHMIS labels.

- A: A workplace and consumer label
- B: label manufacturer and supplier
- C: Consumer and manufactured label
- D: Supplier and workplace label

9. How to recognize chisels?

- A: Chisel length
- B: Chisel weight
- C: Metal color
- D: Cutting-edge shape

10. How can strength be improved without adding weight to a body panel?

- A: Employing aluminum reinforcing metal
- B: Straining the metal
- C: With inner panel construction
- D: Crowning and ridging

See answers on the next page.



6. ☐ A ☐ B ☐ C ☒ D

Note: _____

7. ☒ A ☐ B ☐ C ☐ D

Note: _____

8. ☐ A ☐ B ☐ C ☒ D

Note: _____

9. ☐ A ☐ B ☐ C ☒ D

Note: _____

10. ☐ A ☐ B ☐ C ☒ D

Note: _____



11. What grain sandpaper removes paint quickly to bare metal?

- A: 120grit
- B: 180grit
- C: 36grit
- D: 80grit

12. What is the name of a full set of paint pigments and solvents that can be mixed at the body shop?

- A: Intermix system
- B: Custom-mixed colors
- C: Manufacturer system
- D: Factory-packaged colors

13. What color will a tank used for R-134a refrigerant be?

- A: White
- B: Red Light
- C: Blue
- D: Orange

14. Which cannot be used to replace resistance spot welds on unibody vehicle structural panels?

- A: Resistive spot welds
- B: MIG plug welds
- C: Brass-plug welding
- D: Compression spot-welds

15. A multimeter is riskier for current measurements than voltage readings because:

- A: Measure with both hands as most multimeters are unfused
- B: Unlike current, fuses safeguard voltage measurement ranges
- C: Break the circle
- D: Strong magnetic fields may arise

See answers on the next page.



11. ☐ A ☐ B ☒ C ☐ D

Note: _____

12. ☒ A ☐ B ☐ C ☐ D

Note: _____

13. ☒ A ☐ B ☐ C ☐ D

Note: _____

14. ☐ A ☐ B ☒ C ☐ D

Note: _____

15. ☐ A ☐ B ☒ C ☐ D

Note: _____



16. What is the benefit of spot welding for light gauge material?

- A: Boosts production speed
- B: Improves distortion reduction without shielding gas
- C: Enhances penetration
- D: Works with any arc welding power source

17. Estimate the charge condition of a sealed battery using its open circuit voltage. A fully charged battery standing for a few hours will have an open-circuit voltage of at least?

- A: 12.2 V
- B: 9.6 V
- C: 11.5 V
- D: 12.6 V

18. Which component is not the main part of a conventional power window system?

- A: Master switch
- B: Drive motors for window
- C: Switch for the door actuator
- D: Switches control

19. Single-stage, low-VOC polyurethane enamel HVLP spray caps should have what pressure?

- A: 45-60
- B: 8-10
- C: 25-35
- D: 12-18

20. How far should an air transformer be positioned from the compressor unit?

- A: 1.52 meters
- B: 10.6 meters
- C: 7.6 meters
- D: 4.56 meters

See answers on the next page.



16. ☐ A ☒ B ☐ C ☐ D

Note: _____

17. ☐ A ☐ B ☐ C ☒ D

Note: _____

18. ☐ A ☐ B ☒ C ☐ D

Note: _____

19. ☐ A ☒ B ☐ C ☐ D

Note: _____

20. ☐ A ☐ B ☒ C ☐ D

Note: _____



21. What component of the unibody car replaced the main cross member in BOF vehicles?

- A: Engine Cradle
- B: Transaxle
- C: Unibody Rail
- D: Unistrut

22. The ____ are the huge body pieces from the side doors to the rear bumper. They are welded to the rear body and are essential.

- A: Sail panels
- B: Members
- C: Quarter panels
- D: Fenders

23. Does this apply to air conditioning system maintenance or servicing?

- A: A/C systems are drained to eliminate
- B: A/C refrigerant recovery removes moisture and air
- C: Utilized to cut consumer costs
- D: A/C systems are recharged by adding the correct refrigerant based on discharge. temperature

24. What welding is gas metal arc welding?

- A: GIA welding
- B: MAW welding
- C: AMG welding
- D: Mig welding

25. Which humidity percentage should be below for best painting conditions?

- A: 50%
- B: 12%
- C: 60%
- D: 20%



21. ☒ A ☐ B ☐ C ☐ D

Note: _____

22. ☐ A ☐ B ☒ C ☐ D

Note: _____

23. ☒ A ☐ B ☐ C ☐ D

Note: _____

24. ☐ A ☐ B ☐ C ☒ D

Note: _____

25. ☒ A ☐ B ☐ C ☐ D

Note: _____



- 1). (A) (B) (C) (D)
- 2). (A) (B) (C) (D)
- 3). (A) (B) (C) (D)
- 4). (A) (B) (C) (D)
- 5). (A) (B) (C) (D)
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- 20). (A) (B) (C) (D)
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- 22). (A) (B) (C) (D)
- 23). (A) (B) (C) (D)
- 24). (A) (B) (C) (D)
- 25). (A) (B) (C) (D)





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