

# RED SEAL STUDY GUIDE MILLWRIGHT YEAR 3

**25 EXAM PREP QUESTIONS  
WITH ANSWERS**



APPRENTICES | INSTRUCTORS | INSTITUTES

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UNITY CREST SOLUTIONS INC.

# INTRODUCTION

## **Introducing the Red Seal Study Guide – Milwright Technician.**

Ready to dive into the world of Milwright Technician? Meet your ultimate companion – the Red Seal Study Guide for Milwright Technician. This practical booklet is your go-to practice tool to conquer your Milwright 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 Milwright Technician essentials. It's more than just answering questions – it's about truly grasping the basics of Milwright 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 Milwright Technician expertise. With the Red Seal Study Guide, you're all set to take that significant stride toward becoming a certified Milwright Technician.

Ready to get started? For more information, tips, and resources, head over to [www.RedSealStudyGuide.ca](http://www.RedSealStudyGuide.ca)  
Milwright Technician success starts here – dive in!



# DISCLAIMER



## **Study Guide Disclaimer: Important Notice**

The Red Seal Study Guide – Milwright 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 Milwright Technician!

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head over to [www.RedSealStudyGuide.ca](http://www.RedSealStudyGuide.ca)  
Let's craft your future together!



**1. What type of sling presentation will accept 200% of the SWL?**

- A: Bridle
- B: Vertical
- C: Choker
- D: Basket

**2. What causes belt creep?**

- A: Worn belt sides
- B: Tread in the belt or grooves
- C: The design
- D: Flexibility

**3. Calculate the volume of a tank with inside dimensions of 32" x 45" x 21"?**

- A: 16.75 cubic feet
- B: 18 cubic feet
- C: 17 cubic feet
- D: 17.5 cubic feet

**4. Most vernier calipers have scribing points.**

- A: True
- B: False

**5. An inside micrometer and ohmmeter can measure the wire-to-surface distance for vertical wire alignment on a steel column.**

- A: True
- B: False

See answers on the next page.



1. ☐ A ☐ B ☐ C ☒ D

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2. ☐ A ☐ B ☐ C ☒ D

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**6. What gear oil is for severe loads and heat?**

- A: Lithium
- B: EP
- C: H 32 hydraulic oil
- D: Sodium

**7. Air hammers can be used without bits securely.**

- A: True
- B: False

**8. A hydraulic piston is 6 inches, and its rod is 1.5 inches. The piston rod has an area of square inches.**

- A: 7.07
- B: 2.16
- C 13.6
- D: 1.77

**9. What type of bearing uses the shaft as the inner race?**

- A: Conrad
- B: Radial
- C: Thrust
- D: Needle

**10. The function of a serpentine belt is to:**

- A: Drive on both sides of the belt
- B: Increase the area of contact
- C: Self-tracking on the sheaves
- D: Drive low speed

See answers on the next page.



6. ☐ A ☒ B ☐ C ☐ D

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**11. Synthetic ropes are stronger than natural ones.**

- A: True
- B: False

**12. “At a constant temperature, absolute pressure varies inversely to the volume” refers to what?**

- A: Ideal gas law
- B: Bernoulli’s principal
- C: Boyle’s law
- D: Pascal’s law

**13. What is the electrical property of an electrical circuit to oppose any change in the magnitude of current flow?**

- A: Inductance
- B: Capacitance
- C: Insulation
- D: Conductivity

**14. PPE stands for what?**

- A: Pre-arranged protective equipment
- B: Personal protective equipment
- C: Personal proactive equipment
- D: Prepared protective equipment

**15. The correction factor for an R90 conductor used in an ambient temperature of 50°C is?**

- A: 0.75
- B: 0.82
- C: 0.8
- D: 0.72

See answers on the next page.



11. ☒ A ☐ B ☐ C ☐ D

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**16. Most laser-level manufacturers use class\_\_\_\_\_ laser transmitters.**

- A: I
- B: A
- C: D
- D: II

**17. Any two-point contact micrometer, regardless of range, can probe a hole better than a three-point instrument to determine its geometry.**

- A: True
- B: False

**18. When pump and motor frequencies match:**

- A: Optimal speed
- B: Critical velocity
- C: Operating speed
- D: Ideal velocity

**19. One bank of 6 batteries is divided into two parallel banks of 3 in series. All batteries are 6V, 40 amp-hr. The output voltage when the batteries are completely charged is?**

- A: 6V
- B: 18V
- C: 2V
- D: 12V

**20. A 50-tooth driving gear spins at 300 RPM. Driven gear has 20 teeth. The driving gear turns how many RPM?**

- A: 800 RPM
- B: 750 RPM
- C: 120 RPM
- D: 675 RPM

See answers on the next page.



16. ☐ A ☐ B ☐ C ☒ D

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**21. A 9-lead acid cell battery has 3 parallel banks. Each cell is 2V/20Ah. The battery's total ampere-hour rating?**

- A: 60 Ah
- B: 20 Ah
- C: 120 Ah
- D: 180 Ah

**22. A drawing is scaled at 1:5, what is the line length for a 150cm plate?**

- A: 40cm
- B: 20cm
- C: 35cm
- D: 30cm

**23. Bypass flow control only functions as a meter out due to the pilot passage on the downstream side.**

- A: True
- B: False

**24. What matters while using a hand grinder?**

- A: Exterior finish
- B: Wheel condition
- C: Power source
- D: Wheel gap

**25. Loosen flanged fittings in hydraulic systems by cracking the side bolts first.**

- A: True
- B: False



21. ☒ A ☐ B ☐ C ☐ D

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