

RED SEAL STUDY GUIDE MILLWRIGHT YEAR 4

**25 EXAM PREP QUESTIONS
WITH ANSWERS**



APPRENTICES | INSTRUCTORS | INSTITUTES

RedSealStudyGuide.ca

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
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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Let's craft your future together!



1. Locate air intake in pneumatic systems as much as possible.

- A: Warmest
- B: Coolest
- C: Driest
- D: Most Condensate

2. Use a cutting tip to cut a bolt flush with a plate surface.

- A: Scarring
- B: Straight
- C: Rivet
- D: Gouging

3. What rope diameter supports two tons vertically?

- A: $\frac{1}{4}$ "
- B: $\frac{3}{4}$ "
- C: 1"
- D: $\frac{1}{2}$ "

4. Dry fluid couplings are pre-loaded with a shot called:

- A: Flow charge
- B: Pellets
- C: Oil
- D: Grease

5. To finish annealing, which band saw welding unit part must be held?

- A: Welding switch
- B: welding selection
- C: Switchblade
- D: Clamps annealing

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 bearing has a shaft-inner ring?

- A: Thrust bearing
- B: Roller Bearing
- C: Self-aligned bearing
- D: Needle bearing

7. Which electronic testing equipment checks voltage, current, and resistance for ignition system troubleshooting?

- A: Tachometer
- B: Engine scope
- C: Digital multimeter
- D: Light Timing

8. Motors spin at 1000 RPM. This needs 1.5 HP. The 1500 RPM horsepower is what?

- A: 2.25 HP
- B: 1.75 HP
- C: 1 HP
- D: 3 HP

9. What sort of steam turbines have wheel-rim nozzles?

- A: Reaction turbine
- B: Impulse turbine
- C: A standard turbine
- D: Heated turbine

10. Standard micrometer spindles have how many threads per inch?

- A: 40
- B: 100
- C: 24
- D: 96

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 is oil aeration?

- A: Air-entrained oil
- B: When oil boils
- C: When manufacturers add oxygen bubbles to oil
- D: When EP oil cools

12. Timing gears use what principle?

- A: Endless belt
- B: Gear tooth
- C: Stainless steel
- D: Synthetic

13. Wide-temperature hydraulic fluids need a?

- A: High viscosity index
- B: Oxidation rating
- C: High psi rating
- D: High flow rating

14. What is the taper's large diameter When $TR=1:40$, $d=24\text{mm}$, and $TL=80\text{mm}$?

- A: 26 mm
- B: 29 mm
- C: 27 mm
- D: 28 mm

15. A gusset has two 5-inch sides. What is the gusset's square inch area?

- A: 25.4 square inches
- B: 23.5 square inches
- C: 7.2 square inches
- D: 12.5 square inches

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. Oxyacetylene torch cuts?

- A: Stainless steel
- B: Aluminum
- C: Carbon steels
- D: Copper

17. What should be considered before mounting a pump and motor?

- A: Style of coupling
- B: Pumped liquid type
- C: Pumping chamber size
- D: Pumped liquid temperature

18. What is Polarity?

- A: Wire resistance
- B: The voltage
- C: A ground clamp fastener
- D: Current flow direction

19. A/an is a circle segment connected by an arc and two radius lines.

- A: Centre
- B: Sector
- C: Circle
- D: Chord

20. Brass adheres well to

- A: Pure nickel
- B: Stainless
- C: Iron
- D: Chrome

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. How is oil tested for metallic contaminants?

- A: Flashpoint analysis
- B: Continuity
- C: Magnetometer
- D: Spectrograph

22. Use gloves made of for welding.

- A: Oiled leather
- B: Polyester
- C: Asbestos
- D: Leather

23. If you have a 2-part bridle with two 46-inch slings at 60 degrees, what is the distance between them?

- A: 35"
- B: 76"
- C: 46"
- D: 60"

24. What exhausts steam flow velocity on the turbine wheel?

- A: Guide
- B: Shroud
- C: Velocity gauge
- D: Nozzle

25. A mesh of odd gears causes the last gear to rotate in the opposite direction of the first gear

- A: Same
- B: Opposite



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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- 22). (A) (B) (C) (D)
- 23). (A) (B) (C) (D)
- 24). (A) (B) (C) (D)
- 25). (A) (B) (C) (D)





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