

RED SEAL STUDY GUIDE MILLWRIGHT YEAR 1

**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. The air we breathe is comprised of ____% oxygen

- A: 62
- B: 21
- C: 47
- D: 12

2. The most effective iron sulfide purging medium is:

- A: Air
- B: Carbon dioxide
- C: Nitrogen
- D: Water

3. The shape of a ball bearing is _____ when a load is applied to the ball.

- A: Elliptical
- B: Circular
- C: Rectangle
- D: Radial

4. A template is made to place six evenly spaced flange holes. The holes are 1000mm from the flange center. The distance between neighboring hole centers is?

- A: 2000mm
- B: 1000mm
- C: 543mm
- D: 1074mm

5. The portion of the tooth above the centerline is called:

- A: Addendum
- B: Dedendum
- C: Pressure angle
- D: Root

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. Which is not a basic steel heat treatment?

- A: Hardening
- B: Casting
- C: Tempering
- D: Annealing

7. One should Use the following eye protection when arc welding.

- A: Dark glass screen
- B: Sunny goggles
- C: Clear glass
- D: Mask

8. What sizes hydraulic filters?

- A: Mesh rating
- B: Strainer
- C: ISO
- D: Micron rating

9. What is the most likely cause of excessive axial vibration signals during double suction pump startup?

- A: Coupling misalignment
- B: Soft foot misalignment
- C: Imbalanced
- D: Cavitation

10. What drawings are helpful for electrical troubleshooting?

- A: Broken
- B: Orthographic
- C: Schematic
- D: 3-dimensional

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. Each controlled shop product must have the employer's material safety data sheet.

- A: True
- B: False

12. Cylinders move slowly. The cause?

- A: DCV spool leaks
- B: Heavy load
- C: MPRV running
- D: Accumulator malfunction

13. A bearing with a “K” denotes a tapered bearing. This is held in place by:

- A: Shaft collar
- B: Thread locker
- C: A tapered adapter sleeve
- D: Lock nut

14. MSDS means what?

- A: Manufacturing system spreadsheet
- B: Material Safety Data Sheet
- C: Management security database
- D: Data society material systems

15. JIC means what?

- A: Joint Incident Council
- B: Joint Industrial Council
- C: Joint Incident Committee
- D: Joint Industrial Committee

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. Which fit isn't interference?

- A: Fit push
- B: Drive fit
- C: Press fit
- D: Shrink fit

17. The flow meter measures gas flow using this measure.

- A: Weight of gas
- B: Pressure of gas
- C: Cylinder tank pressure
- D: Volume of gas

18. The term offset or "half link" alters a chain by

- A: 1 and half pitch
- B: Half pitch
- C: Two pitches
- D: One pitch

19. A knot is used to secure two identical lines:

- A: Bowline
- B: Reef
- C: Granny
- D: Sheet Bend

20. Which accessory switches and fuses?

- A: Fuse
- B: Isolator
- C: MCB
- D: Switch

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 many cubic inches are in 1 gallon of oil?

- A: 312
- B: 231
- C: 321
- D: 213

22. How many teeth on a driven spur gear give a 2:1 ratio when the drive gear has 90 teeth, and the idler has 10?

- A: 50 teeth
- B: 45 teeth
- C: 40 teeth
- D: 10 teeth

23. Heat 3.2 m³ of gas at 20°C to 60°C. If gas expands without pressure increase, what is its new volume?

- A: 9.6 m³
- B: 5.5 m³
- C: 3.6 m³
- D: 4.8 m³

24. What is a good type of drawing for troubleshooting an electrical issue?

- A: Schematic
- B: Broken out
- C: Orthographic
- D: 1st angle

25. What is the most common industrial viscosity unit?

- A: kps
- B: Gauss
- C: Centistokes
- D: SAE



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





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