

RED SEAL STUDY GUIDE MOBILE CRANE OPERATOR YEAR 1

**25 EXAM PREP QUESTIONS
WITH ANSWERS**



APPRENTICES | INSTRUCTORS | INSTITUTES

RedSealStudyGuide.ca

UNITY CREST SOLUTIONS INC.

INTRODUCTION

Introducing the Red Seal Study Guide – Mobile Crane Operator.

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

Ready to get started? For more information, tips, and resources, head over to www.RedSealStudyGuide.ca
Mobile Crane Operator success starts here – dive in!



DISCLAIMER

Study Guide Disclaimer: Important Notice

The Red Seal Study Guide – Mobile Crane Operator 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 Mobile Crane Operator!

For more information, tips, and resources,
head over to www.RedSealStudyGuide.ca
Let's craft your future together!



1. When to use rotary spin lock?

- A: To move the crane
- B: Increased boom
- C: Down the boom
- D: High-wind conditions

2. Choker hitches have what vertical hitch capacity?

- A: 85%
- B: 80%
- C: 50%
- D: 75%

3. What does the hand signal mean?

- A: Raise the hoist
- B: Dog everything
- C: Slew
- D: Boom down

4. What grade alloy steel chain for crane lifting slings?

- A: 70
- B: 80
- C: 50
- D: 60

5. Boom and pendant stretch deflections will rise:

- A: load radius
- B: Boom weight
- C: Load weight
- D: Crane stability

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 is the minimum clearance on a high voltage line over 125000 up to 250000 V

- A: 10 feet
- B: 18 ft
- C: 20 ft
- D: 15 ft

7. The crane manufacturer's manual is not required for the operator's reference at work.

- A: True
- B: False

8. Electric shock victims may need what medical assistance immediately?

- A: Bandage over the electrical contact point
- B: CPR
- C: Antibiotics prevent infection
- D: EEG records nerve system function

9. You can only ride a load if your weight and the load's weight don't exceed the load and rigging devices' capability.

- A: True
- B: False

10. What are the inspection criteria for resuming service after a 3-month rest period?

- A: Methods
- B: Initial
- C: Periodic
- D: Frequent

See answers on the next page.



6. ☐ A ☐ B ☒ C ☐ D

Note: _____

7. ☐ A ☒ B

Note: _____

8. ☐ A ☒ B ☐ C ☐ D

Note: _____

9. ☐ A ☒ B

Note: _____

10. ☐ A ☐ B ☐ C ☒ D

Note: _____



11. Before traveling with a crane, elevate the weight as high off the ground and near the upper limit switch as possible.

- A: True
- B: False

12. How often does the load indicate device needs to be checked for proper operation by the operator

- A: Monthly
- B: Annually
- C: Daily
- D: Semi-annually

13. Crane swings cause what dynamic action?

- A: Reduced radius
- B: Expect side loading
- C: The load grows
- D: Increased load weight

14. What does the R.C.L. tell the crane operator?

- A: Crane level
- B: Crane weight
- C: Weight of the load
- D: The load levels

15. Who assigns a signal person?

- A: Crane operator
- B: Supervisor
- C: Lift director
- D: Rigger

See answers on the next page.



11. ☐ A ☒ B

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. The placement of load resting on the ground from a horizontal position to a vertical or vice versa is called

- A: Tailing lift
- B: Lift night
- C: Turning lift
- D: Personal lift

17. Unless approved by the manufacturer or structural engineer, the test load for an over-head crane cannot exceed a percent of the maximum rated capacity.

- A: 80
- B: 100
- C: 125
- D: 110

18. Hydraulic lifts use two types of pulleys:

- A: Moveable, fixed
- B: Moveable, semi-moveable, movable
- C: Superintendent only
- D: Project manager

19. Remove hooks with over a degree of twist from service.

- A: 12 degrees
- B: 15 degrees
- C: 10 degrees
- D: 20 degrees

20. A crane that has been labeled out of service can be used temporarily.

- A: True
- B: False

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

Note: _____



21. Verify this statement. A crane boom can rest on a building's edge while dropping a load onto the roof.

A: True

B: False

22. Verify this statement. Crane signaling is simple, and the signalperson knows where the loads will be, thus training or testing should not be needed.

A: True

B: False

23. How much should tandem lift crane capacity be derated?

A: 75%

B: 50%

C: 25%

D: 85%

24. Attached to a cylindrical cylinder that moves up or down.

A: Crown

B: Pulley

C: Jiggers

D: Sliding Ram

25. Maximum crane operative wind speed is?

A: 32 km/h

B: 60 km/h

C: 50 km/h

D: 10 km/h



21. ☐ A ☒ B

Note: _____

22. ☐ A ☒ B

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)
- 6). (A) (B) (C) (D)
- 7). (A) (B) (C) (D)
- 8). (A) (B) (C) (D)
- 9). (A) (B) (C) (D)
- 10). (A) (B) (C) (D)
- 11). (A) (B) (C) (D)
- 12). (A) (B) (C) (D)
- 13). (A) (B) (C) (D)
- 14). (A) (B) (C) (D)
- 15). (A) (B) (C) (D)
- 16). (A) (B) (C) (D)
- 17). (A) (B) (C) (D)
- 18). (A) (B) (C) (D)
- 19). (A) (B) (C) (D)
- 20). (A) (B) (C) (D)
- 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)





Kris & Bobby Publications.