

RED SEAL STUDY GUIDE MOBILE CRANE OPERATOR YEAR 2

SAMPLE
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!

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Let's craft your future together!



1. A sudden start or stop during hoisting results in a:

- A: Dynamic load
- B: Either
- C: None
- D: Static load

2. Who must be present during telescoping operations

- A: Owner
- B: Mechanic
- C: Qualified individual
- D: Operator

3. How far can a working person's platform or man basket be from an active power line that is 250,000 volts?

- A: 20 meters
- B: 15 feet
- C: 25 meters
- D: 20 feet

4. When is the clearance on outrigger tires?

- A: 9 inches
- B: 3 inches
- C: 1 inch away
- D: 2 inches

5. Any crane's load swinging on crawlers will provide the greatest ground pressure over the

- A: Side
- B: Front
- C: Corner
- D: Mid

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 most unstable permitted quadrant of operation for a truck crane?

- A: Corner
- B: Back
- C: Rear
- D: Side

7. When lifting personnel, the total weight of the loaded personnel platform must not Exceed what percentage of the rated capacity of the crane?

- A: 45%
- B: 50%
- C: 85%
- D: 75%

8. Outriggers support the truck crane's configuration. What proportion of the crane's capacity is used to determine the portion of the load chart that is controlled by stability?

- A: 85%
- B: 100%
- C: 75%
- D: 70%

9. How far away from power lines must you remain when working near 350 kV power lines when the real voltage level is unknown?

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

10. A crane that runs on two parallel runway beams over your head is called a top-running overhead crane. It measures:

- A: True
- B: False

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

Note: _____



11. Quadrants of operation are the designated swing working zones of a crane.

- A: True
- B: False

12. There is no need for a warm-up procedure because hydraulic fluid and controls are unaffected by cold temperatures.

- A: True
- B: False

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

- A: 25%
- B: 85%
- C: 50%
- D: 75%

14. What proportion of the platforms' rated capacity will be used for the proof test of the following personnel platforms:

- A: 125%
- B: 200%
- C: 150%
- D: 250%

15. Should you hold both of your arms out, palms down, and move them horizontally to indicate an "emergency stop"?

- A: True
- B: False

See answers on the next page.



11. ☒ A ☐ B

Note: _____

12. ☐ A ☒ B

Note: _____

13. ☒ A ☐ B ☐ C ☐ D

Note: _____

14. ☐ A ☒ B ☐ C ☐ D

Note: _____

15. ☒ A ☐ B

Note: _____



16. Who should be present during climbing or telescoping?

- A: Operator
- B: Site safety officer
- C: Craftsman
- D: Project manager

17. Position stabilizer, no close then from an open excavation

- A: 8 ft
- B: 7 ft
- C: 9 ft
- D: 6 ft

18. When is it necessary to inspect the levelness of a crane?

- A: Every
- B: When the first lift began
- C: When the work first begins
- D: Upon completion of every lift

19. Head protection is necessary when the load's top is higher than five feet, indicating an overhead hazard.

- A: True
- B: False

20. When a crane approaches overload, it can be identified by observing the outriggers lifting slightly off the floats, which is the initial indication of tipping.

- A: False
- B: True

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

Note: _____

20. ☒ A ☐ B

Note: _____



21. It is critical to know the weight capacity of the crane before hoisting a load.

- A: True
- B: False

22. During duty cycle tasks, like skipping concrete, the majority of manufacturers mandate a reduction in a crane's load chart capacity of the following:

- A: 15%
- B: 30 %
- C: 20%
- D: 10%

23. In-between numbers cannot be calculated, or guess worked when utilizing crane load charts.

- A: True
- B: False

24. What kind of clearance is needed if you are operating close to a 34kV power line and you are aware of the voltage level?

- A: 10 ft
- B: 25 ft
- C: 20 ft
- D: 15 ft

25. Identify the truth or falsity of this statement. The load line automatically lowers when a hydraulic boom is extended to keep the block from colliding with the tip of the boom.

- A: False
- B: True



21. ☒ A ☐ B

Note: _____

22. ☐ A ☐ B ☒ C ☐ D

Note: _____

23. ☒ A ☐ B

Note: _____

24. ☒ A ☐ B ☐ C ☐ D

Note: _____

25. ☒ A ☐ B

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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- 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)





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