

ICBC HEAVY TRAILER ENDORSEMENT (CODE 20) PRACTICE TEST (SAMPLE)

STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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THE FULL VERSION STUDY GUIDE

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Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 – 45 minutes). Review a handful of questions, reflect on the explanations.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!

Questions

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- 1. What is an example of a smart technique to save fuel while driving?**
 - A. Accelerating quickly to start
 - B. Choosing the right gear for the speed
 - C. Maintaining high RPM
 - D. Speeding in the fast lane
- 2. What is the implication of high vehicle speed on stopping distance?**
 - A. Stopping distance decreases
 - B. Stopping distance remains the same
 - C. Stopping distance increases
 - D. Stopping distance is halved
- 3. Is an additional coupling device such as a chain or cable required when a coupling device other than a fifth wheel is used to join vehicles?**
 - A. Yes
 - B. No
 - C. Only for certain trailers
 - D. Only if specified by the manufacturer
- 4. When should the air lines be unhooked to uncouple a tractor from a semi-trailer?**
 - A. Before separating the fifth wheel from the trailer pin
 - B. After separating the fifth wheel from the trailer pin
 - C. When the trailer is stationary
 - D. Only when permitted by the manufacturer
- 5. In terms of vehicle safety, why is it crucial to understand the relationship between speed, weight, and stopping power?**
 - A. It helps to improve fuel economy
 - B. It aids in accident prevention
 - C. It enhances driving comfort
 - D. It simplifies vehicle maintenance

- 6. What happens if brakes become too hot?**
- A. The vehicle accelerates
 - B. Brake function deteriorates
 - C. Brakes become more effective
 - D. Fuel consumption increases
- 7. What percentage of drive axle pressure is typically delivered to the steering axle brakes below 40 p.s.i.?**
- A. 100%
 - B. 75%
 - C. 50%
 - D. 25%
- 8. What is the maximum on-duty time allowed in Cycle 1 for commercial drivers?**
- A. 60 hours in 7 days
 - B. 70 hours in 7 days
 - C. 80 hours in 7 days
 - D. 90 hours in 7 days
- 9. What is the benefit of regular pre-trip inspections?**
- A. They reduce fuel consumption
 - B. They help avoid mechanical failures
 - C. They enable quicker trip times
 - D. They eliminate the need for roadside assistance
- 10. What is a primary reason that braking forces may not be evenly distributed in a tractor/trailer combination?**
- A. Varying tire pressure
 - B. Improper brake adjustments
 - C. Driving on different road surfaces
 - D. Changes in weather conditions

Answers

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1. B
2. C
3. A
4. A
5. B
6. B
7. C
8. B
9. B
10. B

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Explanations

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1. What is an example of a smart technique to save fuel while driving?

- A. Accelerating quickly to start
- B. Choosing the right gear for the speed**
- C. Maintaining high RPM
- D. Speeding in the fast lane

Choosing the right gear for the speed is effective for saving fuel because it ensures that the engine operates at its most efficient RPM range. Each vehicle has optimal efficiency at certain speeds and gear combinations. When you select the appropriate gear, you allow the engine to work efficiently without straining or running at excessive RPMs, which can lead to increased fuel consumption. This technique not only helps in maintaining fuel economy but also improves the overall performance and longevity of the vehicle. In contrast, accelerating quickly to start can lead to excessive fuel use as it demands a sudden increase in power. Similarly, maintaining high RPM is often inefficient, as engines consume more fuel when they operate outside their optimal range. Speeding in the fast lane may initially seem like a time-saver, but driving at higher speeds generally leads to increased drag and fuel consumption, particularly in larger vehicles like those pulled with heavy trailers. Thus, selecting the right gear is a proven way to enhance fuel efficiency while driving, particularly with larger vehicles that require careful management.

2. What is the implication of high vehicle speed on stopping distance?

- A. Stopping distance decreases
- B. Stopping distance remains the same
- C. Stopping distance increases**
- D. Stopping distance is halved

High vehicle speed significantly influences stopping distance, primarily due to the physics of motion. As the speed of a vehicle increases, the distance required to bring that vehicle to a complete stop also increases. This is because stopping distance is affected by two main factors: reaction time and braking distance. At higher speeds, a driver's reaction time remains constant, but the distance traveled during that reaction time increases. More critically, the braking distance—which is the distance required to stop once the brakes are applied—grows exponentially with speed. This exponential increase in stopping distance means that, as speed doubles, the braking distance can increase by four times, compounding the overall stopping distance. Thus, the correct understanding is that as vehicle speed increases, stopping distance increases, making option C the correct choice. It is essential for drivers to recognize this relationship to maintain safe driving practices, especially when dealing with heavy trailers, where stopping distances can be even longer due to the added weight and momentum.

3. Is an additional coupling device such as a chain or cable required when a coupling device other than a fifth wheel is used to join vehicles?

- A. Yes**
- B. No
- C. Only for certain trailers
- D. Only if specified by the manufacturer

When connecting vehicles using a coupling device other than a fifth wheel, an additional coupling device such as a chain or cable is generally required to ensure safety. This requirement is crucial for maintaining vehicle control and preventing uncoupling during transit. The additional coupling device provides an extra layer of security; in the event that the primary attachment fails for any reason, the chain or cable will help to keep the vehicles connected, minimizing the risk of a dangerous situation. This practice is standard across many jurisdictions and is essential for safe trailer operation, particularly with heavier trailers that can pose serious hazards if they detach unexpectedly. While some manufacturers may specify different requirements based on their designs or safety standards, the inclusion of an additional coupling device is a widely accepted safety measure in the industry. Adhering to this practice contributes to overall road safety and is a key consideration for drivers operating heavy trailers.

4. When should the air lines be unhooked to uncouple a tractor from a semi-trailer?

- A. Before separating the fifth wheel from the trailer pin**
- B. After separating the fifth wheel from the trailer pin
- C. When the trailer is stationary
- D. Only when permitted by the manufacturer

Unhooking the air lines before separating the fifth wheel from the trailer pin is the correct approach when uncoupling a tractor from a semi-trailer. This sequence ensures that the air supply is disconnected prior to any physical separation, which helps prevent accidental release of the trailer or damage to the braking system. Disconnecting the air lines first allows any potential residual pressure to safely dissipate and ensures that the trailer's brakes are applied, which prevents movement during the uncoupling process. By following this procedure, drivers safeguard themselves and others, as it helps maintain control over the trailer until it is fully disconnected. Proper training emphasizes the safety protocols to prevent accidents and ensure that both the tractor and trailer are prepared for disconnection in a controlled manner.

5. In terms of vehicle safety, why is it crucial to understand the relationship between speed, weight, and stopping power?

- A. It helps to improve fuel economy
- B. It aids in accident prevention**
- C. It enhances driving comfort
- D. It simplifies vehicle maintenance

Understanding the relationship between speed, weight, and stopping power is fundamental for safe driving, particularly when operating heavy trailers. As the weight of a vehicle increases, so does the distance required to stop effectively. This relationship emphasizes the importance of maintaining appropriate speeds relative to the weight being towed. If a driver is unaware of these dynamics, they risk being unable to stop in time to avoid collisions, especially in emergency situations or when road conditions are less than ideal. Additionally, higher speeds can exacerbate the effects of weight on stopping distance, making it critical for drivers to adapt their speed based on what they are towing. By grasping these concepts, drivers can make more informed decisions, such as when to slow down or brake in different scenarios, ultimately aiding in accident prevention and enhancing overall road safety. Therefore, the importance of this understanding cannot be overstated when it comes to protecting not only the driver but also others on the road.

6. What happens if brakes become too hot?

- A. The vehicle accelerates
- B. Brake function deteriorates**
- C. Brakes become more effective
- D. Fuel consumption increases

When brakes become too hot, the function of the brakes deteriorates, a phenomenon known as brake fade. This occurs because excessive heat can lead to the breakdown of the brake lining material, reduced friction between the brake pads and rotors, and potentially air or vapor forming in the brake lines if hydraulic brakes are used. As a result, the brakes may respond less effectively, increasing stopping distances and compromising vehicle control. The other options do not accurately reflect the consequences of overheating brakes. For instance, while it may seem logical that a vehicle could accelerate due to brake failure, the reality is that the brakes becoming ineffective can lead to dangerous situations rather than causing acceleration. Increased brake effectiveness is counterintuitive to the overheating condition, as heat diminishes braking capability. Lastly, while there might be a correlation between heavy braking and fuel consumption, overheating itself does not directly cause an increase in fuel consumption as a primary factor. Therefore, it's crucial to recognize that deteriorating brake function is the primary concern when brakes get too hot.

7. What percentage of drive axle pressure is typically delivered to the steering axle brakes below 40 p.s.i.?

- A. 100%
- B. 75%
- C. 50%**
- D. 25%

In the context of heavy vehicle braking systems, the percentage of drive axle pressure delivered to the steering axle brakes at pressures below 40 p.s.i. is typically around 50%. This is crucial for maintaining balanced braking performance across the vehicle, particularly under conditions where the primary drive axle pressure may vary. At lower pressures, like those below 40 p.s.i., the adjustment system for braking pressure prioritizes stability and safety by distributing some of the brake force to the steering axle. This ensures that the steering axle maintains adequate grip and control, which is essential for safe handling and maneuverability of the vehicle. Understanding this percentage helps drivers recognize how braking systems function under various conditions and reinforces the importance of maintaining proper air pressure levels to ensure optimal brake performance.

8. What is the maximum on-duty time allowed in Cycle 1 for commercial drivers?

- A. 60 hours in 7 days
- B. 70 hours in 7 days**
- C. 80 hours in 7 days
- D. 90 hours in 7 days

The maximum on-duty time allowed in Cycle 1 for commercial drivers is 70 hours in a 7-day period. This regulation is in place to ensure that drivers do not exceed a manageable work schedule, which helps reduce fatigue and promote safety on the road. Cycle 1 allows drivers to work a maximum of 13 hours per day but limits their overall hours to 70 per week to prevent undue strain and the associated risks of drowsy driving. This balance is crucial for maintaining safe driving conditions and protecting both the drivers and the public.

9. What is the benefit of regular pre-trip inspections?

- A. They reduce fuel consumption
- B. They help avoid mechanical failures**
- C. They enable quicker trip times
- D. They eliminate the need for roadside assistance

Regular pre-trip inspections are essential because they help identify potential mechanical issues before the vehicle is on the road, thereby preventing unexpected breakdowns and failures during the trip. By examining critical components such as brakes, tires, lights, and steering mechanisms, drivers can detect wear and tear or malfunctioning parts. Addressing these issues in advance not only increases the safety of the vehicle but also enhances the reliability of the journey, ensuring that the heavy trailer can handle the load effectively and safely. While reducing fuel consumption and enabling quicker trip times can be desirable outcomes of a well-maintained vehicle, they are not the primary purpose of pre-trip inspections. Additionally, while inspections can certainly lead to a lower likelihood of needing roadside assistance, they cannot completely eliminate the possibility of such needs arising due to unforeseen circumstances that may occur during travel. Thus, the primary benefit of conducting regular pre-trip inspections is to help avoid mechanical failures.

10. What is a primary reason that braking forces may not be evenly distributed in a tractor/trailer combination?

- A. Varying tire pressure
- B. Improper brake adjustments**
- C. Driving on different road surfaces
- D. Changes in weather conditions

Improper brake adjustments are a primary reason that braking forces may not be evenly distributed in a tractor/trailer combination. When the brakes on the trailer are not correctly adjusted, it can lead to differential braking between the tractor and trailer. If the brakes on one axle are either too tight or too loose, it will affect how much braking force is applied, causing the vehicle to pull to one side or lead to additional wear on certain tires. This can result in unstable handling, particularly during emergency stops or when descending steep grades, where precise braking balance is essential for safety. While factors like varying tire pressure, driving on different road surfaces, and changes in weather conditions can also affect overall vehicle handling and braking performance, they do not directly relate to the mechanisms of brake adjustment itself. Hence, improper brake adjustments specifically target the brake system's functionality and its direct impact on braking force distribution.

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Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

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We wish you the very best on your exam journey. You've got this!

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