

# TENNESSEE RESIDENTIAL CONTRACTOR PRACTICE EXAM (SAMPLE) STUDY GUIDE



## SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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# Table of Contents

|                             |    |
|-----------------------------|----|
| Copyright .....             | 1  |
| Table of Contents .....     | 2  |
| Introduction .....          | 3  |
| How to Use This Guide ..... | 4  |
| Questions .....             | 5  |
| Answers .....               | 8  |
| Explanations .....          | 10 |
| Next Steps .....            | 15 |

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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 the main reason for using contraction joints in concrete work?**
  - A. To allow drainage
  - B. To control cracking
  - C. To improve aesthetics
  - D. To increase structural integrity
- 2. What is the primary aggregate used in masonry mortar?**
  - A. Gravel
  - B. Silt
  - C. Sand
  - D. Clay
- 3. What type of joint is installed between a patio slab and building walls?**
  - A. Contraction joint
  - B. Isolation joint
  - C. Control joint
  - D. Construction joint
- 4. What is the minimum acceptable slope for steep asphalt roofing?**
  - A. 1/4" in 12 slope
  - B. 1/2" in 12 slope
  - C. 1" in 12 slope
  - D. 2" in 12 slope
- 5. What is the term used for clean water types suitable for mixing with concrete?**
  - A. Potable
  - B. Filtered
  - C. Safe
  - D. Clear
- 6. How should mortar on the board be kept until it is used?**
  - A. Covered with plastic
  - B. Sprinkled lightly with water
  - C. Stored in a cool place
  - D. Mixed with additional cement



- 7. What is the maximum width for boards used in solid roof sheathing?**
- A. 1 x 4
  - B. 1 x 5
  - C. 1 x 6
  - D. 1 x 8
- 8. What describes the size and type of windows in a construction project?**
- A. Interior design plan
  - B. Window and door schedule
  - C. Elevation drawing
  - D. Site analysis report
- 9. What is the term for assembling small pre-fab forms into one large form?**
- A. Ganged
  - B. Stacked
  - C. Monolithic
  - D. Unified
- 10. Which substance has been eliminated from use in residential building construction due to health hazards?**
- A. Asbestos
  - B. Lead
  - C. Formaldehyde
  - D. Mold



## **Answers**

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

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## **Explanations**

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## 1. What is the main reason for using contraction joints in concrete work?

- A. To allow drainage
- B. To control cracking**
- C. To improve aesthetics
- D. To increase structural integrity

*Using contraction joints in concrete work is primarily aimed at controlling cracking. When concrete is poured, it undergoes a process called shrinkage as it cures and dries. This shrinkage can lead to the formation of cracks if there are no defined areas for the material to relieve the stress caused by this action. Contraction joints create intentional weak points in the concrete that guide where the cracks may occur, ensuring they are uniform and less noticeable. By properly placing contraction joints, contractors can significantly reduce the risk of random cracking, which can compromise the appearance and durability of the concrete surface. Additionally, these joints help to manage the effects of temperature changes and moisture fluctuations, further mitigating the chance of undesired cracks. The other choices, while they may have their own merits, do not capture the primary purpose of contraction joints. For example, while proper drainage is important for concrete slabs, it is typically addressed through other design features such as sloping or the use of drainage systems. Aesthetic improvements and structural integrity can be influenced by several factors, but the essential and most direct function of contraction joints is to control cracking specifically.*

## 2. What is the primary aggregate used in masonry mortar?

- A. Gravel
- B. Silt
- C. Sand**
- D. Clay

*The primary aggregate used in masonry mortar is sand. Sand plays a crucial role in the formulation of masonry mortar, primarily because it provides workability, strength, and stability to the mixture. The grains of sand help to ensure that the mortar can be easily spread and shaped during application, allowing for good bonding between masonry units such as bricks or blocks. The texture and size of the sand particles are also important; they should be clean and well-graded to achieve a strong and durable mortar. In contrast, gravel is too coarse for masonry mortar, as it would create a mixture that is more difficult to work with and might not bond well with the masonry units. Silt can hold moisture but does not provide the necessary structural integrity for mortar; too much silt can also lead to shrinkage and cracking. Clay, while used in some types of mortar, is not the primary aggregate. It is typically associated with brick-making and can affect the mortar's cohesion and water retention negatively when used in excess. Overall, the choice of sand as the primary aggregate in masonry mortar is essential for achieving the proper consistency, bonding, and durability required in masonry construction.*

### 3. What type of joint is installed between a patio slab and building walls?

- A. Contraction joint
- B. Isolation joint**
- C. Control joint
- D. Construction joint

An isolation joint is specifically used between a patio slab and building walls to accommodate the independent movement of both structures. This type of joint allows for differential movement caused by temperature changes, settling, or other factors without causing damage to either the patio slab or the building structure. The isolation joint serves to separate the concrete from the adjoining structures, preventing cracking or other structural issues that might occur from stress or movement. This flexibility is crucial in ensuring that the elements can move without restrictions, thus extending the lifespan of both the slab and the walls. In contrast, a contraction joint is designed to control cracking that occurs due to the shrinkage of concrete as it cures, while a control joint also helps manage cracking but is mainly related to managing tensile stress. A construction joint indicates a planned interruption in construction but does not serve the specific function needed between a slab and a wall.

### 4. What is the minimum acceptable slope for steep asphalt roofing?

- A. 1/4" in 12 slope
- B. 1/2" in 12 slope**
- C. 1" in 12 slope
- D. 2" in 12 slope

The minimum acceptable slope for steep asphalt roofing is typically 1/4" per 12" of horizontal run. This slope allows for adequate water drainage and helps prevent water pooling on the roof, which can lead to leaks and structural damage over time. Choosing a slope of 1/2" per 12" of run would actually represent a steeper slope than the minimum required, thus allowing for even better drainage and helping to prevent moisture issues more effectively. This can also reduce the load on roofing materials by ensuring water runs off more rapidly, which is particularly beneficial in areas prone to heavy rainfall. It is worth noting that while other options indicate steeper slopes, they exceed the minimum requirement. The 1/4" per 12" slope is a widely accepted standard for steep roofing, but building codes may vary, and certain applications may warrant even steeper slopes for optimal performance.

### 5. What is the term used for clean water types suitable for mixing with concrete?

- A. Potable**
- B. Filtered
- C. Safe
- D. Clear

The term "potable" specifically refers to water that is safe for human consumption and is free from harmful contaminants. In the context of mixing with concrete, potable water is essential because the quality of water used can drastically affect the properties of the concrete, including its strength and durability. Using potable water assures that the concrete mixture will not be compromised by harmful substances that could otherwise arise from non-potable sources, ensuring that the concrete sets properly and maintains its intended characteristics over time. Other choices like "filtered," "safe," and "clear" may imply cleanliness but do not guarantee the absence of harmful contaminants. Filtered water might still contain substances that affect the concrete's performance. "Safe" is a subjective term, while "clear" refers more to physical appearance rather than quality. Therefore, when dealing with the integrity of concrete work, the term "potable" is the correct and most specific choice.

## 6. How should mortar on the board be kept until it is used?

- A. Covered with plastic
- B. Sprinkled lightly with water**
- C. Stored in a cool place
- D. Mixed with additional cement

Keeping mortar on the board sprinkled lightly with water helps maintain its moisture content and workability. Mortar is a mixture of cement, sand, and water, and it requires moisture to remain workable for a longer period. If mortar dries out, it can become too stiff or hard to apply effectively, which could compromise the quality of the work. Lightly sprinkling water periodically can help prevent this drying out, allowing for more time to use the mortar without needing to remix a fresh batch. While covering the mortar with plastic could serve to retain moisture as well, it's crucial that the mortar still retains some flexibility. Simply covering it may not ensure proper moisture retention without the additional hydration provided by sprinkling. Storing mortar in a cool place does not address moisture retention directly, and mixing it with additional cement would not only alter its consistency but might also weaken its bond strength rather than enhance it. Proper moisture management is essential for ensuring that the mortar performs correctly during application and curing.

## 7. What is the maximum width for boards used in solid roof sheathing?

- A. 1 x 4
- B. 1 x 5
- C. 1 x 6**
- D. 1 x 8

The maximum width for boards used in solid roof sheathing is 1 x 6. This specification is based on building codes and regulations which dictate that for structural integrity and proper support, sheathing boards should not exceed a certain width. Sheathing is critical for the roof's stability, insulation, and to provide a proper surface for the roofing material. When boards are wider, they can lead to issues such as warping or insufficient loading support, as well as challenges in proper installation. Using boards wider than 1 x 6 could compromise the roof's strength and the overall integrity of the structure, which is why it is essential to adhere to the prescribed maximum width for solid roof sheathing.

## 8. What describes the size and type of windows in a construction project?

- A. Interior design plan
- B. Window and door schedule**
- C. Elevation drawing
- D. Site analysis report

The window and door schedule is a crucial document in a construction project that specifically outlines the size, type, and quantity of windows and doors to be installed. This schedule provides detailed specifications for each opening, which includes dimensions, material types, and any specific requirements, such as energy efficiency ratings or installation details. Having a well-defined window and door schedule is essential for ensuring that the project meets design criteria, adheres to building codes, and allows for accurate procurement and installation. It serves as a reference for contractors, architects, and builders throughout the construction process, ensuring clarity and consistency regarding the project's fenestration elements. Other options, while related to construction, do not specifically focus on the details of windows. An interior design plan addresses aesthetic considerations and layouts within the building, elevation drawings showcase the external appearance but do not provide detailed specifications, and a site analysis report evaluates the land itself rather than design elements like windows and doors.

**9. What is the term for assembling small pre-fab forms into one large form?**

- A. Ganged**
- B. Stacked
- C. Monolithic
- D. Unified

*The term for assembling small pre-fabricated forms into one large form is "ganged." This term refers to the process where multiple smaller forms are combined to create a larger structural element. This technique is often used in concrete construction, where several smaller formwork pieces are put together to make a single cohesive form that can then be filled with concrete. Ganging forms helps in increasing efficiency and consistency during construction, allowing for improved handling and installation while ensuring that the structural integrity of the finished product is maintained. The other choices represent different concepts that do not describe the specific action of combining smaller components into a larger form. For instance, "stacked" implies vertical arrangement but does not capture the idea of joining multiple forms. "Monolithic" usually refers to structures that are made from a single pour of concrete, emphasizing uniformity, while "unified" suggests a combination but does not specifically indicate that the method used involved pre-fabricated forms.*

**10. Which substance has been eliminated from use in residential building construction due to health hazards?**

- A. Asbestos
- B. Lead**
- C. Formaldehyde
- D. Mold

*Lead has been heavily regulated and largely eliminated from residential building construction due to its severe health hazards, particularly concerning lead poisoning. Lead exposure can occur from lead-based paints, plumbing systems, and various other sources used in construction prior to regulations that were implemented in the late 20th century. Specific health risks include developmental issues in children, neurological damage, and various other serious health conditions. As regulations have increased, especially following the Environmental Protection Agency (EPA) guidelines and the Lead Renovation, Repair and Painting (RRP) Rule, it has become mandatory to handle and remediate lead-containing materials appropriately in residential properties, effectively removing its widespread use in new construction. While asbestos and formaldehyde also present significant health risks and have seen restrictions in their use, the context of dangerous materials in residential buildings highlights lead as a primary concern due to its historically prevalent use and the long-term health impacts associated with it. Mold is more of a biological concern than a building material and does not fit the same criteria as the others listed, which are all materials that have been used in construction.*



## 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](mailto: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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