

VIRGINIA NASCLA PRACTICE EXAM (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. Which of the following is required in a licensure application?**
 - A. The business address of the proposed designated employee
 - B. Proof of citizenship
 - C. A personal affidavit
 - D. Insurance policy details
- 2. How much in premiums will a contractor save over a 3-year period if they have a defined safety program that yields a 20% reduction on an \$8 per \$1,000 coverage rate for \$300,000?**
 - A. Under \$1,000
 - B. Between \$1,001 and \$1,500
 - C. Between \$1,501 and \$2,000
 - D. Over \$2,000
- 3. What is the length of line AC if it equals the length of line DB in a rectangular drawing?**
 - A. More than line DB
 - B. Less than line DB
 - C. Equal to line DB
 - D. Not related to line DB
- 4. Contractors assessed a fee to support the Transaction Recovery Fund must pay this fee within how many days from the assessment notice?**
 - A. 30 days
 - B. 45 days
 - C. 60 days
 - D. 90 days
- 5. What is the maximum width for a footing projection?**
 - A. Three times the thickness of the footing
 - B. The depth of the footing
 - C. The thickness of the footing
 - D. One and a half times the thickness of the footing

- 6. What can be determined by summing the project activities into an overall schedule?**
- A. The total budget projection
 - B. The total resource demand for a project
 - C. The final deadline of the project
 - D. The required workforce size
- 7. What is the minimum wallboard thickness for the walls separating a house and garage?**
- A. 1/4 inch
 - B. 1/2 inch
 - C. 3/4 inch
 - D. 1 inch
- 8. Why are escape devices necessary for deep trenches?**
- A. To aid in equipment transport
 - B. To facilitate quick exits in emergencies
 - C. To secure stored materials
 - D. To reduce excavation time
- 9. If a roof has a 6 in 12 slope, what multiplier should be used for area conversion?**
- A. 1.118
 - B. 1.202
 - C. 1.302
 - D. 1.414
- 10. When should a third stairway stringer be used?**
- A. When the stair width exceeds 24 inches
 - B. When the stair width exceeds 30 inches
 - C. When the stair width exceeds 36 inches
 - D. When the stair width exceeds 48 inches

Answers

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

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Explanations

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1. Which of the following is required in a licensure application?

- A. The business address of the proposed designated employee**
- B. Proof of citizenship
- C. A personal affidavit
- D. Insurance policy details

The requirement for the business address of the proposed designated employee in a licensure application is essential because it ensures that the licensing board has a clear understanding of where the primary operations will be conducted. This address is crucial for regulatory purposes, as it allows the board to establish jurisdiction and facilitate communication regarding compliance with state laws and regulations. Having an accurate business address also helps in the verification process and ensures that the company can be located for inspections or inquiries. Including the business address of the designated employee reflects a commitment to maintaining compliance with the state's licensing requirements and promotes transparency within the application process. It demonstrates that the applicant has taken the necessary steps to ensure that there is a responsible individual to oversee operations within the state, which aligns with the objectives of protecting public welfare and enforcing standards within the industry.

2. How much in premiums will a contractor save over a 3-year period if they have a defined safety program that yields a 20% reduction on an \$8 per \$1,000 coverage rate for \$300,000?

- A. Under \$1,000
- B. Between \$1,001 and \$1,500**
- C. Between \$1,501 and \$2,000
- D. Over \$2,000

To calculate the savings on premiums over a 3-year period, we start by determining the annual premium without the safety program. The coverage amount is \$300,000, and the rate is \$8 per \$1,000. First, we calculate the annual premium: 1. Divide the coverage amount by \$1,000: $\frac{300,000}{1,000} = 300$ 2. Multiply this result by the coverage rate: $300 \times 8 = 2,400$ Thus, the annual premium without the safety program is \$2,400. Next, with a defined safety program yielding a 20% reduction, we calculate the savings: 1. Determine the amount of the reduction: $0.20 \times 2,400 = 480$ This means the reduced annual premium is: $2,400 - 480 = 1,920$ 2. Over a 3-year period, the savings can be calculated by multiplying the annual savings by 3: $480 \times 3 = 1,440$

3. What is the length of line AC if it equals the length of line DB in a rectangular drawing?

- A. More than line DB
- B. Less than line DB
- C. Equal to line DB**
- D. Not related to line DB

The length of line AC being equal to the length of line DB indicates that for this specific rectangular drawing, both lines are identically measured. This scenario directly defines a relationship where if two lengths are specified to be equal, they must be the same, confirming that line AC has no difference in measurement from line DB. Thus, understanding the properties of equality in mathematics plays a crucial role here. It allows us to conclude that if one length is stated to be equal to another, they share the same numerical value and therefore length. This foundational principle of equality holds true in geometry and can be fundamental in various practical applications, such as construction and design scenarios where precision is essential.

4. Contractors assessed a fee to support the Transaction Recovery Fund must pay this fee within how many days from the assessment notice?

- A. 30 days
- B. 45 days**
- C. 60 days
- D. 90 days

The correct answer is that contractors assessed a fee to support the Transaction Recovery Fund must pay this fee within 45 days from the assessment notice. This timeline is established to ensure prompt funding for the Transaction Recovery Fund, which is designed to protect consumers by providing a source of compensation when a contractor fails to fulfill their contractual obligations. The 45-day requirement allows for a balance between giving contractors adequate time to respond and the necessity for the fund to be maintained with sufficient resources. This regulation helps uphold the integrity of the contracting process in Virginia, ensuring that those licensed to operate are compliant and that consumer protections remain effective. Such a timeframe also ensures that funds are collected in a timely manner to facilitate necessary payouts to affected consumers.

5. What is the maximum width for a footing projection?

- A. Three times the thickness of the footing
- B. The depth of the footing
- C. The thickness of the footing**
- D. One and a half times the thickness of the footing

The correct choice states that the maximum width for a footing projection is the thickness of the footing. This rule reflects foundational engineering principles that ensure a structure's stability and performance. The footing's projection must not exceed its thickness to maintain sufficient load distribution and avoid excessive overhang, which could lead to instability or increased stress on the foundation material. This limitation helps in ensuring that the footing has enough bearing capacity to support the structure above without causing undue tension or shear forces that could compromise structural integrity. In contrast, the other options suggest larger projections, which would exceed the safe limits for typical footing designs. Such excess could create problems like inadequate load distribution and increased risk of settlement or failure of the footing. Therefore, adhering to the maximum projection being equal to the thickness of the footing is essential for sound structural practice.

6. What can be determined by summing the project activities into an overall schedule?

- A. The total budget projection
- B. The total resource demand for a project**
- C. The final deadline of the project
- D. The required workforce size

Summing the project activities into an overall schedule allows for a clear understanding of the total resource demand for a project. This includes not only the time each activity will take but also the necessary resources, such as personnel, equipment, and materials, that will be required to complete those activities on time. By creating an integrated schedule, project managers can visualize the overall resource allocation and identify potential constraints or bottlenecks, ultimately leading to better resource management and project planning. In contrast, while the overall schedule contributes to insights about the total budget projection, final project deadlines, and workforce size, it is specifically the compilation of all activities that gives a comprehensive view of resource demand. The budget, deadlines, and workforce can be influenced by the total resource demand, but the schedule primarily reflects how those resources will be utilized throughout the project lifecycle.

7. What is the minimum wallboard thickness for the walls separating a house and garage?

- A. 1/4 inch
- B. 1/2 inch**
- C. 3/4 inch
- D. 1 inch

The minimum wallboard thickness for the walls separating a house and garage is established to ensure a safe and effective fire barrier between the two spaces. In many building codes, including those that apply in Virginia, a thickness of 1/2 inch is required to provide adequate fire resistance. This thickness is based on the understanding that walls separating living spaces from attached garages are at risk of exposure to potential fire hazards, such as those arising from car fires or flammable materials stored in garages. Using wallboard that meets this requirement not only helps to impede the spread of fire but also provides additional structural benefits. Thicker wallboard can enhance sound insulation, although sound mitigation is not the primary reason for this requirement. Options that suggest thinner wallboard do not meet the fire safety standards established by building codes, which aim to protect occupants and property by reducing fire risk. Similarly, thicker options might be unnecessarily robust for standard applications, making 1/2 inch the optimal choice for this context.

8. Why are escape devices necessary for deep trenches?

- A. To aid in equipment transport
- B. To facilitate quick exits in emergencies**
- C. To secure stored materials
- D. To reduce excavation time

Escape devices are essential in deep trenches primarily to facilitate quick exits in emergencies. Trenches can pose significant hazards, including the risk of cave-ins, hazardous atmospheres, or unforeseen incidents like equipment failures or accidents. In such situations, having an effective means of escape is crucial for the safety of workers. Escape devices, such as ladders or ramps, allow workers to exit the trench quickly and safely in case an emergency arises, minimizing the potential for injury or worse outcomes. Other options, while related to trench work, do not address the critical need for safety during emergencies. Equipment transport, securing materials, and reducing excavation time are important considerations in construction, but they do not provide the same immediate safety benefits that escape devices offer in critical situations. Ensuring that workers can swiftly evacuate a dangerous environment is fundamental to maintaining safety standards in trench operations.

9. If a roof has a 6 in 12 slope, what multiplier should be used for area conversion?

A. 1.118

B. 1.202

C. 1.302

D. 1.414

To understand why the correct multiplier for a roof with a 6 in 12 slope is 1.118, it's important to first grasp what slope ratios mean in terms of roof construction and area. A slope of 6 in 12 indicates that for every 12 horizontal units (the run), the roof rises 6 vertical units (the rise). To calculate the actual surface area of the roof, it's necessary to account for the slope when measuring the area based on the horizontal dimensions. The roof forms a right triangle when viewed in elevation, with the rise and the run as its legs. The length of the roof surface (the hypotenuse) must be calculated to determine the effective roof area. To derive the hypotenuse length from the given slope, the Pythagorean theorem can be used. In this case, you calculate the hypotenuse as the square root of the sum of the squares of the run and the rise: $\sqrt{(12^2) + (6^2)} = \sqrt{144 + 36} = \sqrt{180} \approx 13.416$. Now, the multiplier for converting horizontal area to the

10. When should a third stairway stringer be used?

A. When the stair width exceeds 24 inches

B. When the stair width exceeds 30 inches

C. When the stair width exceeds 36 inches

D. When the stair width exceeds 48 inches

A third stairway stringer is appropriate when the stair width exceeds 30 inches. This requirement ensures proper support and stability for the tread and riser system, particularly in wider stairs where increased weight and usage can affect the safety and structural integrity. The addition of a third stringer helps distribute the load more evenly across the stairway, reducing the risk of sagging and providing a safer means of egress. Wider stairs not only support more significant weight but also accommodate more foot traffic. Without appropriate support, wider stairs can lead to dangerous conditions, such as structural failure or discomfort for users. Therefore, establishing these guidelines is critical for both safety and compliance with building codes. The other options suggest using a third stringer for higher widths, which may not align with standard construction practices and safety regulations. For stair widths exceeding 36 or 48 inches, while additional considerations for support may become necessary, the established threshold of 30 inches is widely accepted in building guidelines for requiring a third stringer.

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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