

ELECTRICAL JOB INFORMATION PRACTICE TEST (SAMPLE)

STUDY GUIDE



**SAMPLE STUDY GUIDE
WITH LIMITED QUESTIONS**

**VISIT US ONLINE FOR
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 material is preferred for bedding in a trench installation?**
 - A. Stone-free earth
 - B. Clay soil
 - C. Sand or gravel mix
 - D. Pebbles
- 2. In which scenario would you not need to apply a 1/4" bead of caulk?**
 - A. In a point contact situation
 - B. In a non-point contact situation
 - C. Always, regardless of location
 - D. In emergency repairs
- 3. Which of the following statements is false about engineering judgements?**
 - A. An EJ does not need to be approved by the authority having jurisdiction (AHJ).
 - B. An EJ must always be documented.
 - C. An EJ is only applicable to commercial buildings.
 - D. An EJ is based on professional expertise.
- 4. What type of studs are typically used for building interior partition walls?**
 - A. Stainless steel
 - B. 20 gauge
 - C. 25 gauge
 - D. 30 gauge
- 5. What is the responsibility of the employer regarding warning signs for energized electric circuits?**
 - A. Should provide general advice
 - B. Shall post and maintain proper warning signs
 - C. May choose to post signs
 - D. Shall inform only supervisors
- 6. What is the function of a masonry bit?**
 - A. To drive screws
 - B. To cut wood
 - C. To drill into masonry
 - D. To carve designs

- 7. What basic tool is used for cutting heavy cable and conduit?**
- A. Cable cutter
 - B. Hacksaw
 - C. Wire stripper
 - D. Pry bar
- 8. Which description fits a conductor labeled as 10-19 SD CU THHN-THWN 2?**
- A. 19 AWG with 10 strands of hard copper
 - B. 19 AWG with 10 strands of soft copper
 - C. 10 AWG with 19 strands of soft copper
 - D. 19 AWG with 10 solid copper strands
- 9. What should be reviewed as part of the cable pull safety check?**
- A. Manufacturer's instruction manuals
 - B. Employee safety guidelines
 - C. Job hazard assessments
 - D. Construction codes
- 10. What is the purpose of a handy-box round mud ring?**
- A. Preventing electrical hazards
 - B. Providing extra mounting support
 - C. Shielding wires from moisture
 - D. Enhancing aesthetic appeal

Answers

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

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Explanations

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1. What material is preferred for bedding in a trench installation?

- A. Stone-free earth**
- B. Clay soil
- C. Sand or gravel mix
- D. Pebbles

The preferred material for bedding in a trench installation is stone-free earth. This choice is favored because stone-free earth provides a stable, supportive base that minimizes the risk of damage to buried utility lines such as electrical cables. The absence of large rocks or stones reduces the likelihood of punctures or abrasion on the protective insulation of these cables. Additionally, stone-free earth can conform better to the shape of the utility, ensuring a snug fit and reducing the chances of movement or displacement over time. Using clay soil or a sand or gravel mix can present challenges. Clay soil tends to retain water and can expand and contract, which may lead to shifting and potential stress on the buried utilities. A sand or gravel mix, while it allows for good drainage, can sometimes contain larger particles that may not adequately cushion the utilities or may shift too much under load. Pebbles are generally too large and can create gaps that do not provide sufficient support or protection, failing to ensure a solid bedding material. Therefore, stone-free earth strikes the right balance of support, compression resistance, and adaptability for a trench installation.

2. In which scenario would you not need to apply a 1/4" bead of caulk?

- A. In a point contact situation
- B. In a non-point contact situation**
- C. Always, regardless of location
- D. In emergency repairs

The scenario where a 1/4" bead of caulk would not be needed is in a non-point contact situation. When dealing with caulk application, it is essential to consider how the joints or gaps are formed. A point contact situation refers to areas where two surfaces meet at a distinct point, requiring caulk to fill gaps and create a seal. However, in a non-point contact situation, the surfaces may not necessitate a sealing bead because they may overlap or be flush without significant gaps that require caulking. In contrast, point contact situations typically involve joints that are less than ideal and thus require caulk for proper sealing. The choice of "Always, regardless of location" implies that caulk is universally necessary, which is not true, as certain scenarios do not involve needing to caulk at all. Emergency repairs may also not require a caulk bead if the urgency of the situation prioritizes quick fixes over perfect sealing. Thus, understanding the physical relationship of the surfaces involved is crucial in determining whether caulk is needed, making the selection of a non-point contact situation a logical answer.

3. Which of the following statements is false about engineering judgements?

- A. An EJ does not need to be approved by the authority having jurisdiction (AHJ).**
- B. An EJ must always be documented.
- C. An EJ is only applicable to commercial buildings.
- D. An EJ is based on professional expertise.

The statement that an engineering judgement (EJ) does not need to be approved by the authority having jurisdiction (AHJ) is indeed inaccurate. An engineering judgement is an important tool used by professionals in the field, but it is subject to validation and approval by the AHJ to ensure compliance with relevant codes and standards. This process helps to maintain safety and ensure that engineering decisions align with regulatory requirements. When an engineering judgement involves aspects that may not be explicitly covered in existing codes, the AHJ will evaluate the judgement to determine its appropriateness and legality. This conformance to authority guidelines helps maintain industry standards and protects public safety, emphasizing the significance of AHJ approval in the application of engineering judgements.

4. What type of studs are typically used for building interior partition walls?

- A. Stainless steel
- B. 20 gauge
- C. 25 gauge**
- D. 30 gauge

The correct choice is based on the standard use of studs in constructing interior partition walls. In typical construction practices, 25 gauge studs are commonly utilized because they provide an optimal balance of strength and weight for non-load-bearing applications. This gauge is thick enough to support drywall and other finishes while remaining lightweight, making it easier to handle during installation. While other gauges do exist, such as 20 gauge which is thicker and heavier, they are generally reserved for more demanding structural applications or areas that may require additional support due to potential loading issues. Conversely, 30 gauge studs, being thinner, do not provide the same level of structural integrity, which can be inadequate for standard interior partition use. Therefore, the use of 25 gauge studs is widely accepted in the industry for building interior partitions, striking a balance between sufficient strength and ease of installation.

5. What is the responsibility of the employer regarding warning signs for energized electric circuits?

- A. Should provide general advice
- B. Shall post and maintain proper warning signs**
- C. May choose to post signs
- D. Shall inform only supervisors

The responsibility of the employer to post and maintain proper warning signs related to energized electric circuits is critical for ensuring safety in the workplace. This requirement stems from occupational safety regulations that are designed to protect workers from potential hazards associated with electrical energy. Proper warning signs serve as a vital communication tool that alerts employees to the presence of dangerous electrical conditions, helping to prevent accidents and injuries. By mandating that proper warning signs be posted and maintained, employers ensure that all personnel are aware of the risks associated with energized circuits. These signs must be clearly visible and easily understood, conveying important information about the potential dangers and required precautions. The presence of such signage promotes a culture of safety and reinforces best practices, ultimately contributing to a safer working environment. In contrast, the other options lack the necessary requirement for action. Providing general advice, having the option to post signs, or informing only supervisors does not ensure that all workers are adequately warned about the hazards. Consequently, the requirement for employers to actively post and maintain proper warning signs ensures a comprehensive approach to electrical safety.

6. What is the function of a masonry bit?

- A. To drive screws
- B. To cut wood
- C. To drill into masonry**
- D. To carve designs

The function of a masonry bit is specifically designed for drilling into hard materials such as brick, concrete, and stone. The design of the masonry bit includes a sturdier drill tip made from tough materials like carbide, which is capable of withstanding the high pressure and heat generated when boring through these dense substances. Unlike standard bits that are used for softer materials like wood or metal, masonry bits feature a unique chisel-shaped point that helps break up the masonry material more effectively, allowing for efficient drilling. While driving screws is a task suited for screwdrivers or drill bits specifically designed for screws, and wood drilling requires bits with a different design, masonry bits are purpose-built for the challenges presented by masonry work. Carving designs is typically associated with specialized tools rather than drill bits. Therefore, the primary use of a masonry bit clearly identifies it as an essential tool for those engaging in construction or renovation involving brick, stone, or concrete structures.

7. What basic tool is used for cutting heavy cable and conduit?

- A. Cable cutter
- B. Hacksaw**
- C. Wire stripper
- D. Pry bar

The basic tool that is specifically designed for cutting heavy cable and conduit is a cable cutter. A cable cutter features sharp, heavy-duty jaws that are designed to effectively cut through thick wires or cables without fraying the ends, making it ideal for tasks involving heavy gauge wire or large conduit. In contrast, a hacksaw is typically used for cutting metal and can struggle with thick cables due to its design and the time required to achieve a clean cut. While it could be used in some cases, it is not the preferred tool for heavy cable and conduit cuts. Wire strippers are intended for removing insulation from thinner wires rather than cutting them, making them unsuitable for this purpose. A pry bar has a completely different function, which involves prying or lifting rather than cutting through materials. Thus, the correct tool for the job is a cable cutter, as it is designed for the specific task of cutting heavy cable and conduit efficiently.

8. Which description fits a conductor labeled as 10-19 SD CU THHN-THWN 2?

- A. 19 AWG with 10 strands of hard copper
- B. 19 AWG with 10 strands of soft copper**
- C. 10 AWG with 19 strands of soft copper
- D. 19 AWG with 10 solid copper strands

The designation "10-19 SD CU THHN-THWN 2" provides specific information about the conductor. The "SD" indicates that it is a stranded conductor made from soft copper. "10" refers to the gauge size of the wire, which means it is a 10 AWG conductor. The "19" indicates the number of strands in the conductor—here, it tells us that the conductor contains 19 strands. Thus, the correct interpretation is that it is a 10 AWG conductor with 19 strands of soft copper. The "THHN-THWN 2" specifies the insulation type and its suitability for various applications, but it does not affect the strand count or material characteristics. In this way, the answer accurately reflects the combination of gauge size, number of strands, and material type indicated in the conductor's labeling. The other choices misinterpret either the gauge size, number of strands, or the type of copper, leading to incorrect specifications.

9. What should be reviewed as part of the cable pull safety check?

A. Manufacturer's instruction manuals

B. Employee safety guidelines

C. Job hazard assessments

D. Construction codes

The correct answer emphasizes the importance of reviewing manufacturer's instruction manuals as part of a cable pull safety check. These manuals provide specific guidelines and procedures that are crucial for ensuring that the cable is installed correctly and safely. They often contain detailed information regarding the cable's specifications, such as maximum pulling tension, recommended techniques for pulling, and safety precautions relevant to the specific type of cable being used. Understanding the manufacturer's instructions is essential because it will help workers avoid potential hazards related to the handling and installation of the cable. Failure to adhere to these guidelines could lead to improper installation or even accidents that could harm personnel or damage equipment. While reviewing employee safety guidelines, job hazard assessments, and construction codes is also important for overall safety on the job site, the manufacturer's instruction manuals directly address the specifics of the cable being used, making them the most critical resource during a cable pull operation.

10. What is the purpose of a handy-box round mud ring?

A. Preventing electrical hazards

B. Providing extra mounting support

C. Shielding wires from moisture

D. Enhancing aesthetic appeal

The purpose of a handy-box round mud ring is primarily to provide extra mounting support for electrical devices such as switches, outlets, or fixtures. When installed, the mud ring creates a stable platform for the device to be securely mounted to the wall. This helps in managing the alignment of the device and ensures that it sits flush with the wall surface. The added support is particularly important when the device is subjected to frequent use or mechanical stress, as it minimizes the risk of damage or dislodgement over time. A sturdy installation reduces the likelihood of issues such as loose connections or misalignment, which can lead to electrical faults. While preventing electrical hazards, shielding wires from moisture, and enhancing aesthetic appeal are important considerations in electrical installations, the primary function of the handy-box round mud ring focuses on providing the necessary structural integrity for mounting devices.

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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