

SUBSTATION FIRST YEAR LEVEL 1 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. Failure to work on a regular basis and to satisfy classroom requirements shows that one has a lack of what?**
 - A. Interest
 - B. Discipline
 - C. Patience
 - D. Knowledge
- 2. The delegates elected Edwin D. Hill as international President at which convention?**
 - A. 12th
 - B. 36th
 - C. 24th
 - D. 50th
- 3. Researchers believe the use of which may weaken the immune system and aggravate infections?**
 - A. Alcohol
 - B. Caffeine
 - C. Cocaine
 - D. Marijuana
- 4. The adoption of national standards and the creation of local trusts greatly increased the establishment of what?**
 - A. Local JATCs
 - B. National offices
 - C. Regional training centers
 - D. Apprenticeship numbers
- 5. Tests are graded according to a simple percentage.**
 - A. False
 - B. It varies
 - C. True
 - D. Not sure

- 6. Among the nine potential ways a sexually hostile environment can be created, which item may NOT belong?**
- A. All items belong
 - B. Not belong
 - C. Some items belong
 - D. None of the items belong
- 7. The 15th convention approved a plan to join with management in creating which council?**
- A. Council on Labor Standards
 - B. Council on Economic Relations
 - C. Council on Industrial Relations
 - D. Council on Safety Standards
- 8. An apprenticeship agreement must be signed between the apprentice and the ____.**
- A. Ajatc
 - B. Committee
 - C. Ibew
 - D. Neca
- 9. At the local level, NECA chapters act as what type of bargaining agents with their unions in their NEBF benefit?**
- A. Single-Employer
 - B. Union-Only
 - C. Multi-Employer
 - D. Independent
- 10. Which statement about IBEW members is true regarding training and performance?**
- A. IBEW members should avoid training.
 - B. IBEW members should be productive workers and well trained.
 - C. IBEW members should only work on union jobs.
 - D. IBEW members should not engage in safety training.

Answers

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

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Explanations

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1. Failure to work on a regular basis and to satisfy classroom requirements shows that one has a lack of what?

- A. Interest**
- B. Discipline
- C. Patience
- D. Knowledge

The main idea here is motivation to learn. When a student is genuinely interested in a subject, they naturally want to spend regular time on it, complete assignments, and meet classroom expectations. That inner curiosity drives consistent effort day after day. If interest is missing, the urge to engage fades, and work tends to become sporadic, making it hard to satisfy requirements. Patience and knowledge aren't the direct drivers of whether someone does work regularly, and while discipline helps, the behavior described best points to a lack of interest as the underlying motivator.

2. The delegates elected Edwin D. Hill as international President at which convention?

- A. 12th
- B. 36th**
- C. 24th
- D. 50th

Delegates from local units come together at an international convention to elect the top officers of the union, including the international president. Each convention is numbered in the order it occurred in history, so the number points to the exact gathering where the leadership vote happened. Edwin D. Hill was elected international president at the 36th convention, which is why that option correctly identifies the event. The other numbers would correspond to different conventions and do not match the election moment for Hill.

3. Researchers believe the use of which may weaken the immune system and aggravate infections?

- A. Alcohol
- B. Caffeine
- C. Cocaine
- D. Marijuana**

The immune system can be affected by substances, and some drugs may weaken its defenses, making infections harder to fight. Marijuana is the one most consistently linked to immune modulation because cannabinoids interact with receptors on immune cells, which can dampen immune signaling. This can slow the activity of T-cells, macrophages, and natural killer cells, leading to a weaker response and potentially more severe infections. The other options don't have as clear or direct a link to immunosuppression in typical use: heavy alcohol use can impair immunity, caffeine generally doesn't suppress immune function at normal doses, and cocaine's health effects are more about acute toxicity and vascular/neurological issues than direct immune suppression.

4. The adoption of national standards and the creation of local trusts greatly increased the establishment of what?

- A. Local JATCs**
- B. National offices
- C. Regional training centers
- D. Apprenticeship numbers

National standards give a consistent skill set and evaluation, while local trusts provide the funding and governance to run training programs in a given area. When these come together, it becomes practical to form Joint Apprenticeship and Training Committees at the local level to oversee the programs, coordinate with employers, and sponsor training sites. That combination leads to more local JATCs being established to manage and deliver the standardized apprenticeship locally. The other options don't fit because they describe centralized structures, different kinds of facilities, or outcomes rather than the entities created by this arrangement.

5. Tests are graded according to a simple percentage.

- A. False
- B. It varies
- C. True**
- D. Not sure

In most introductory tests, grading is done using a percentage of the total points available. You calculate this by dividing the points you earned by the maximum possible points, then multiply by 100. This percentage gives a clear, comparable measure of performance across students and tests, and instructors often map that percentage to a final grade using a predefined scale. Because this straightforward method is the standard way to report results for many first-year assessments, the statement is true. Keep in mind that some courses might use variations like curves, rubrics, or pass/fail systems, which can adjust the final outcome, but the basic idea—evaluating performance as a percentage of total points—is the common foundation. For example, scoring 18 out of 20 points would yield 90%.

6. Among the nine potential ways a sexually hostile environment can be created, which item may NOT belong?

- A. All items belong**
- B. Not belong
- C. Some items belong
- D. None of the items belong

When considering what can contribute to a sexually hostile environment, each listed item represents a potential way that such an atmosphere could be created. If the nine possibilities are all valid ways to establish that hostile context, then there isn't any item that doesn't belong. The statement that all items belong captures this idea, meaning there isn't an extraneous item to exclude. The other options imply that some item might not fit, or that none fit, which contradicts the premise that there are nine plausible ways to create the environment. So the best choice is that all items belong.

7. The 15th convention approved a plan to join with management in creating which council?

- A. Council on Labor Standards
- B. Council on Economic Relations
- C. Council on Industrial Relations
- D. Council on Safety Standards

The key idea here is creating a formal group to manage how workers and management interact and resolve issues at the workplace. This is the realm of industrial relations, which covers negotiation of wages, hours, working conditions, and dispute resolution between labor and management. So, the council that fits this purpose is the one named for Industrial Relations. The other titles point to standards, safety, or broader economic topics, not specifically the joint management–labor partnership implied by forming a council.

8. An apprenticeship agreement must be signed between the apprentice and the ____.

- A. Ajatc
- B. Committee
- C. Ibew
- D. Neca

An apprenticeship agreement is signed with the sponsor of the program, the Joint Apprenticeship and Training Committee (JATC). The JATC administers the apprenticeship, sets the training plan and wage progression, tracks on the job hours, coordinates related instruction, and defines the obligations of both the apprentice and the sponsor. That's why the correct choice is the JATC (Ajatc) – it's the formal sponsor that binds the apprentice to the program and ensures standards are met. A generic committee or the individual organizations (IBEW or NECA) alone aren't the signatories; the JATC is the recognized sponsor that records and oversees the apprenticeship.

9. At the local level, NECA chapters act as what type of bargaining agents with their unions in their NEBF benefit?

- A. Single-Employer
- B. Union-Only
- C. Multi-Employer
- D. Independent

This question is about how local NECA chapters represent employers in negotiations with the union over benefits like NEBF. In the construction field, multiple contractors in a local area band together under a NECA chapter to negotiate a single agreement with the union that covers all signatory employers. That arrangement is called multi-employer bargaining, because one bargaining agent represents several employers rather than just one company. That's why the correct understanding is that NECA chapters act as multi-employer bargaining agents: they negotiate the terms and funding of the NEBF benefit for all participating contractors in the local area. This setup ensures consistent contributions and benefits across multiple employers under one contract. Single-employer would mean one employer negotiates separately, which isn't how NECA operates. Union-only would imply negotiations conducted by the union without employer representation, which isn't the case here. Independent would suggest no coordinated employer representation at all, which isn't accurate for NEBF negotiations.

10. Which statement about IBEW members is true regarding training and performance?

- A. IBEW members should avoid training.
- B. IBEW members should be productive workers and well trained.**
- C. IBEW members should only work on union jobs.
- D. IBEW members should not engage in safety training.

Training and performance go hand in hand for electrical workers. Being productive isn't just about speed; it comes from competence, accuracy, and safe practices that come from thorough training. IBEW members are expected to stay well trained so their work meets electrical codes, safety standards, and quality expectations. When someone is properly trained, they can handle tasks efficiently, troubleshoot effectively, and reduce risks to themselves and others. Therefore, the statement that IBEW members should be productive workers and well trained is the true one. Options that suggest avoiding training, limiting work to union jobs, or skipping safety training don't fit the professional responsibility and safety culture in the trade.

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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:

<https://substation1styearlevel1.examzify.com>

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

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