

IICRC HEALTH AND SAFETY TECHNICIAN (HST) CERTIFICATION PRACTICE EXAM (SAMPLE) STUDY GUIDE



Prepare with structure. Pass with confidence



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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. The basis for classifying a chemical's flammability is its _____.
A. Explosion limit
B. Flashpoint
C. Boiling point
D. Ignition temperature**
- 2. When performing a hazard or risk assessment, what is the first step?
A. Evaluate the potential impact
B. Identify the hazard or risk
C. Implement control measures
D. Review past incidents**
- 3. What is the significance of OSHA in relation to health and safety?
A. It mainly handles workplace efficiency
B. The Occupational Safety and Health Administration sets and enforces safety standards in the workplace
C. It oversees employee training programs
D. It regulates marketing strategies for safety products**
- 4. What does a hazard sign representing fatality or toxicity mean?
A. Potential for skin irritation
B. Risk of severe health impact from exposure
C. Indications of mild toxicity only
D. Substances that are safe when handled correctly**
- 5. What does a generic term for health hazards usually include?
A. Physical and chemical hazards only
B. It generally only indicates flammability
C. Substances harmful to health, including irritants and sensitizers
D. Non-harmful substances indicating no risk**
- 6. What must exit routes have according to safety regulations?
A. Lighting and signage
B. Easily accessible doors that swing outward
C. Obstructions to prevent confusion
D. Complicated pathways for safety**

- 7. What vaccination must employers provide to workers exposed to blood or bodily fluids?**
- A. Tetanus vaccination
 - B. Influenza vaccination
 - C. Hepatitis B vaccination
 - D. Tuberculosis vaccination
- 8. What type of fire extinguisher is appropriate for electrical fires?**
- A. Class A fire extinguisher
 - B. Class B fire extinguisher
 - C. Class C fire extinguisher
 - D. Class D fire extinguisher
- 9. Which of the following actions does NOT ensure safe work practices?**
- A. Regular training on equipment use
 - B. Ignoring personal safety
 - C. Conducting regular safety audits
 - D. Establishing clear safety protocols
- 10. What are the consequences of not following health and safety regulations?**
- A. Improved employee morale
 - B. Legal penalties, accidents, injuries, and increased insurance costs
 - C. Increased productivity
 - D. Less regulatory oversight

Answers

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

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Explanations

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1. The basis for classifying a chemical's flammability is its _____.

- A. Explosion limit
- B. Flashpoint**
- C. Boiling point
- D. Ignition temperature

The classification of a chemical's flammability primarily hinges on its flashpoint. The flashpoint is the lowest temperature at which the vapor of a volatile substance can ignite in air when an ignition source is present. This temperature indicates the point at which there are enough vapors to form a combustible mixture with air, which is critical for assessing the potential for a fire hazard. Understanding the flashpoint is vital for safety in environments where chemicals are handled, stored, or used, as it helps determine appropriate safety measures such as storage conditions, handling procedures, and necessary firefighting equipment. Lower flashpoints indicate higher flammability risks and dictate more stringent safety protocols. The other options, while related to combustion, do not serve as the primary basis for flammability classification. The explosion limit pertains to the concentration range of a vapor in air that can lead to an explosion, while boiling point and ignition temperature relate to different aspects of the thermal behavior of substances, but do not directly reflect their flammability in the same way that flashpoint does.

2. When performing a hazard or risk assessment, what is the first step?

- A. Evaluate the potential impact
- B. Identify the hazard or risk**
- C. Implement control measures
- D. Review past incidents

The initial step in performing a hazard or risk assessment is to identify the hazard or risk. This is crucial because understanding what hazards exist in a specific environment, task, or process lays the foundation for the entire assessment. By pinpointing potential hazards, you can then move on to evaluate their potential impact, review past incidents to gather historical data, and finally implement appropriate control measures to mitigate those risks. Identifying the hazard allows for a comprehensive analysis of the situation, determining how these hazards can affect personnel, equipment, and operations. Once hazards are identified, further evaluations and actions can be methodically and effectively planned, ensuring that nothing crucial is overlooked in maintaining safety and health standards.

3. What is the significance of OSHA in relation to health and safety?

- A. It mainly handles workplace efficiency
- B. The Occupational Safety and Health Administration sets and enforces safety standards in the workplace**
- C. It oversees employee training programs
- D. It regulates marketing strategies for safety products

The Occupational Safety and Health Administration (OSHA) is crucial in promoting and ensuring workplace health and safety. Its primary role is to create and enforce regulations that establish safe working conditions. By setting safety standards, OSHA helps prevent workplace injuries, illnesses, and fatalities. This regulatory function is essential in industries where workers may be exposed to hazardous conditions, ensuring that employers provide a safe environment that meets established safety criteria. While employee training programs and workplace efficiency are important aspects of health and safety management, they are not the primary focus of OSHA. OSHA does provide guidelines and resources for training, but its central mission is the enforcement of safety standards rather than training oversight. Additionally, OSHA does not involve itself in marketing strategies for safety products, as its purpose is strictly related to the establishment of workplace safety regulations and compliance oversight.

4. What does a hazard sign representing fatality or toxicity mean?

- A. Potential for skin irritation
- B. Risk of severe health impact from exposure**
- C. Indications of mild toxicity only
- D. Substances that are safe when handled correctly

The hazard sign representing fatality or toxicity is designed to alert individuals to a significant risk involved with a substance or situation. The correct interpretation, in this case, is the risk of severe health impact from exposure. This means that the substance can cause serious, potentially life-threatening health issues if proper precautions are not taken. Understanding this sign is crucial in maintaining safety in environments where hazardous materials are present. It serves as a warning that exposure can lead to critical health repercussions, reinforcing the importance of using appropriate personal protective equipment and safety measures when handling or working near such substances. In contrast, other options would indicate lower levels of risk. For example, skin irritation would suggest a lesser degree of health hazard, while mild toxicity implies that the substance may not have severe consequences. Likewise, the notion of safety with correct handling minimizes the real dangers and responsibilities associated with dealing with toxic materials.

5. What does a generic term for health hazards usually include?

- A. Physical and chemical hazards only
- B. It generally only indicates flammability
- C. Substances harmful to health, including irritants and sensitizers**
- D. Non-harmful substances indicating no risk

The choice identifying substances harmful to health, including irritants and sensitizers, accurately reflects the broad range of health hazards covered in a generic term. Health hazards encompass any agents that can pose risks to health, which includes not only corrosive or toxic materials but also substances that may cause irritation or sensitization upon exposure. Irritants can lead to inflammation or discomfort in tissues, while sensitizers can cause allergic reactions after initial exposure, leading to more serious health issues upon subsequent contact. This understanding is crucial for implementing proper safety measures and protocols to protect individuals in various environments, especially those related to health safety. In contrast, other choices either narrow the scope of health hazards too much—such as focusing exclusively on physical and chemical hazards or flammability—or inaccurately describe them, such as suggesting that non-harmful substances indicate no risk. In reality, health hazards can arise from a wide variety of sources and not all substances that are deemed non-harmful are free from risk. Therefore, the chosen answer effectively encompasses the essential elements of health hazards as recognized in both workplace safety and health regulations.

6. What must exit routes have according to safety regulations?

- A. Lighting and signage
- B. Easily accessible doors that swing outward**
- C. Obstructions to prevent confusion
- D. Complicated pathways for safety

Exit routes must have easily accessible doors that swing outward to ensure safe and swift egress in case of an emergency. This requirement is crucial because doors that open outward facilitate a quicker exit and prevent crowding during evacuations. When an emergency occurs, it's essential that individuals can exit a building without delay or obstruction, and outward-swinging doors prevent blockages from those trying to exit. In addition, exit routes are also mandated to have appropriate lighting and signage to guide and inform occupants. However, these are secondary to the primary function of exits, which is to ensure that doors are accessible and can be operated effectively under pressure. The presence of obstructions within exit routes can hinder movement and create confusion, which contradicts the purpose of having a clear and efficient escape path. Similarly, complicated pathways would only serve to increase the risk during an emergency, making outward-swinging doors the primary requirement for safety regulations regarding exit routes.

7. What vaccination must employers provide to workers exposed to blood or bodily fluids?

- A. Tetanus vaccination
- B. Influenza vaccination
- C. Hepatitis B vaccination**
- D. Tuberculosis vaccination

The Hepatitis B vaccination is essential for workers who may be exposed to blood or bodily fluids, as it provides significant protection against the Hepatitis B virus (HBV), which can lead to serious health complications, including liver disease and liver cancer. The virus can be transmitted through needlesticks, cuts, and contact with open wounds or mucous membranes, making it a critical concern in workplaces where exposure is a risk, such as healthcare environments, emergency response settings, and laboratories. Employers are required to ensure that workers at risk of exposure are vaccinated to maintain a safe working environment and minimize the risk of outbreaks or infections. This vaccine is highly effective, and providing it is a vital component of an employer's health and safety program to protect employees' health. Vaccinations like tetanus, influenza, and tuberculosis are important for their respective risks but do not specifically target the threats posed by bloodborne pathogens like Hepatitis B, making Hepatitis B vaccination particularly relevant in this context.

8. What type of fire extinguisher is appropriate for electrical fires?

- A. Class A fire extinguisher
- B. Class B fire extinguisher
- C. Class C fire extinguisher**
- D. Class D fire extinguisher

The appropriate fire extinguisher for electrical fires is a Class C fire extinguisher. This type of extinguisher is specifically designed to handle fires that involve electrical equipment, such as wiring, motors, and appliances. Class C extinguishers typically use non-conductive agents, such as carbon dioxide (CO₂) or dry chemical agents, which do not conduct electricity. This is crucial when dealing with electrical fires because using water or other conductive materials can increase the risk of electrical shock or exacerbate the fire. Understanding the classification of fire extinguishers is essential in promoting safety. Class A extinguishers are suitable for ordinary combustibles like wood and paper, Class B extinguishers apply to flammable liquids like gasoline, and Class D extinguishers are for combustible metals. Hence, using the correct type of extinguisher is vital to effectively and safely extinguishing different kinds of fires.

9. Which of the following actions does NOT ensure safe work practices?

- A. Regular training on equipment use
- B. Ignoring personal safety**
- C. Conducting regular safety audits
- D. Establishing clear safety protocols

The action that does not ensure safe work practices is ignoring personal safety. Ignoring personal safety can lead to increased risks of accidents, injuries, and exposure to hazardous conditions. Safety practices rely heavily on individuals being aware of and prioritizing their own safety as well as that of their coworkers. This includes the proper use of safety gear, adherence to safety protocols, and overall mindfulness of safety procedures in the work environment. In contrast, regular training on equipment use, conducting safety audits, and establishing clear safety protocols contribute effectively to a culture of safety. Regular training ensures that workers are knowledgeable about safety features and operation procedures, safety audits identify hazards and areas for improvement, and clear safety protocols provide necessary guidelines and procedures to follow, all of which are essential for maintaining a safe working environment.

10. What are the consequences of not following health and safety regulations?

- A. Improved employee morale
- B. Legal penalties, accidents, injuries, and increased insurance costs**
- C. Increased productivity
- D. Less regulatory oversight

Failing to adhere to health and safety regulations can lead to significant legal, financial, and human consequences. When organizations neglect these regulations, they expose themselves to legal penalties, which can include fines, lawsuits, or other forms of legal action. This financial burden can be compounded by accidents and injuries that may occur as a direct result of non-compliance, creating unsafe work environments. The repercussions can further extend to increased insurance costs, as insurance providers may raise premiums or deny coverage for incidents that arise from regulatory violations. In contrast, choices that suggest improved employee morale, increased productivity, or less regulatory oversight do not realistically follow from non-compliance with health and safety standards. These outcomes are typically associated with a safe and compliant workplace, where employees feel secure and valued, ultimately leading to higher morale and productivity.

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://iicrchst.examzify.com>

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

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