

UTILITIES MAINTENANCE WORKER 2 PRACTICE TEST (SAMPLE)

STUDY GUIDE



**SAMPLE STUDY GUIDE
WITH LIMITED QUESTIONS**

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THE FULL VERSION STUDY GUIDE**

<https://utilitiesmaintenanceworker2.examzify.com>



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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 Florida administrative code regulates maximum containment levels (MCL)?**
 - A. 62-540
 - B. 62-550
 - C. 62-555
 - D. 62-560
- 2. What is the recommended vertical distance for placing water lines from sewage?**
 - A. 1 foot
 - B. 2 feet
 - C. 3 feet
 - D. 4 feet
- 3. Which type of joint is specifically designed to accommodate moderate pipe movement?**
 - A. Restrained joints
 - B. Compression coupling
 - C. Taper joints
 - D. Welded joints
- 4. At what height should relief valves be installed above ground?**
 - A. 6 inches
 - B. 12 inches
 - C. 18 inches
 - D. 24 inches
- 5. What is a common tool used for testing chlorine residual in water?**
 - A. pH meter
 - B. Colorimeter
 - C. Multimeter
 - D. Turbidity meter

- 6. What is meant by friction loss in a water system?**
- A. A type of water filter pressure
 - B. Positive pressure in the system
 - C. A loss of head pressure or energy
 - D. A benefit of water flow
- 7. For how long should sodium hypochlorite be stored?**
- A. A period of 30 to 60 days
 - B. A period of 60 to 90 days
 - C. A period of 90 to 120 days
 - D. Indefinitely under refrigeration
- 8. What role does the Pitot tube play in fluid measurement?**
- A. It measures viscosity
 - B. It measures flow velocity
 - C. It measures temperature
 - D. It measures pressure drop
- 9. What is the primary regulatory body overseeing drinking water quality in the U.S.?**
- A. Environmental Protection Agency
 - B. Occupational Safety and Health Administration
 - C. Food and Drug Administration
 - D. Centers for Disease Control and Prevention
- 10. Which maintenance practice is essential for equipment longevity in utilities operations?**
- A. Regular cleaning
 - B. Random inspections
 - C. Ignoring parameters
 - D. Adjusting without documentation

Answers

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

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Explanations

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1. Which Florida administrative code regulates maximum containment levels (MCL)?

- A. 62-540
- B. 62-550**
- C. 62-555
- D. 62-560

The Florida administrative code that regulates maximum contaminant levels (MCL) is indeed found in section 62-550. This section outlines the standards and regulations for drinking water quality, including the permissible limits for various contaminants that can be present in public water systems. The establishment of MCLs is crucial for protecting public health by ensuring that drinking water remains safe and free from harmful substances. MCLs are vital as they set the highest level of a contaminant that is allowed in drinking water, based on health risk assessments. The regulations in this section are designed to help utilities maintain compliance with state and federal water quality standards, ensuring that the water distributed to consumers meets safety requirements. In the context of utilities maintenance, understanding the specific regulations governing water quality, like those in section 62-550, is essential for maintaining a safe supply of drinking water and for implementing necessary monitoring and treatment practices to mitigate any potential contamination.

2. What is the recommended vertical distance for placing water lines from sewage?

- A. 1 foot**
- B. 2 feet
- C. 3 feet
- D. 4 feet

The standard practice for placing water lines in relation to sewage involves maintaining a minimum vertical distance to prevent contamination and ensure public health safety. The correct recommendation involves placing the water lines at least 1 foot above the sewage lines where they cross. This distance helps to reduce the risk of sewage leakage contaminating the potable water supply, especially during flooding or other environmental changes that could cause shifts in the ground or infrastructure. Maintaining this distance can also be critical for inspections, repairs, and relining activities in both water and sewage systems, allowing for an adequate safety margin. Following these guidelines is essential for utilities maintenance workers to ensure compliance with health regulations and industry standards.

3. Which type of joint is specifically designed to accommodate moderate pipe movement?

- A. Restrained joints
- B. Compression coupling**
- C. Taper joints
- D. Welded joints

The type of joint specifically designed to accommodate moderate pipe movement is the compression coupling. Compression couplings allow for slight movements in pipes while maintaining a secure connection. They are often used in situations where pipes may expand or contract due to thermal changes or ground movement, making them versatile for various applications in utilities maintenance. This feature is essential because it enables the system to remain flexible and less prone to damage or leaks compared to more rigid connections that do not accommodate such movement. Understanding the specific characteristics and applications of different types of joints ensures that a utilities worker can select the appropriate joint type for the needs of the installation or repair situation, preserving the integrity and functionality of the piping system.

4. At what height should relief valves be installed above ground?

- A. 6 inches
- B. 12 inches**
- C. 18 inches
- D. 24 inches

Relief valves should typically be installed at a height of 12 inches above the ground. This height ensures that the valve is above potential flooding or standing water, allowing for proper drainage and minimizing the risk of corrosion or damage from the elements. Additionally, positioning the valve at this height facilitates easier access for maintenance and inspection while ensuring that any discharge from the valve falls safely away from personnel and equipment. While different environments or codes may dictate various installation heights, 12 inches is widely accepted as a standard practice in many utility and maintenance contexts. This positioning helps to balance functionality with safety considerations, making it a preferred choice among regulators and industry standards.

5. What is a common tool used for testing chlorine residual in water?

- A. pH meter
- B. Colorimeter**
- C. Multimeter
- D. Turbidity meter

A colorimeter is a common tool used for testing chlorine residual in water because it measures the intensity of color in a solution, which correlates to the concentration of chemical substances, such as chlorine. When testing for chlorine, a colorimeter can determine the residual amount present by detecting the color change that occurs when specific reagents are added to the water sample. This method is precise and widely used in water quality assessments to ensure safe drinking water and monitor compliance with health regulations. While pH meters, multimeters, and turbidity meters are important instruments in water quality testing, they serve different purposes. A pH meter measures the acidity or alkalinity of water, a multimeter evaluates electrical properties such as voltage or current, and a turbidity meter gauges the clarity of water by measuring suspended particles. None of these tools are specifically designed for measuring chlorine residuals, making the colorimeter the most appropriate choice for this purpose.

6. What is meant by friction loss in a water system?

- A. A type of water filter pressure
- B. Positive pressure in the system
- C. A loss of head pressure or energy**
- D. A benefit of water flow

Friction loss in a water system refers to the loss of head pressure or energy that occurs as water flows through pipes, valves, fittings, and other components of the system. This loss is primarily due to the resistance encountered from the internal surface of the pipes and any obstacles or changes in direction that the water encounters along its path. As the water moves, the particles of water constantly collide with the surfaces of the pipes and with each other, which results in energy dissipation primarily in the form of heat. Understanding friction loss is crucial for engineers and maintenance workers when designing, maintaining, and operating water distribution systems. It directly affects the overall efficiency of the system, influencing pump selection and the sizing of pipes to ensure that adequate pressure is maintained throughout the network. Calculating friction loss helps ensure that systems can deliver water effectively while minimizing energy consumption.

7. For how long should sodium hypochlorite be stored?

- A. A period of 30 to 60 days
- B. A period of 60 to 90 days**
- C. A period of 90 to 120 days
- D. Indefinitely under refrigeration

Sodium hypochlorite, commonly used as a disinfectant and bleaching agent, has a limited shelf life due to its chemical instability. The appropriate storage timeframe for sodium hypochlorite is typically between 60 to 90 days. During this period, the solution maintains its efficacy and does not significantly degrade. Storing sodium hypochlorite beyond this time frame can lead to a decrease in its concentration and effectiveness, as it is prone to decomposition when exposed to heat, light, and various contaminants. Therefore, ensuring that sodium hypochlorite is used within the recommended storage period is essential for maintaining its effectiveness for disinfection and sanitation purposes. While refrigeration can extend the life of many substances, sodium hypochlorite still has a finite shelf life, making options suggesting indefinite storage incorrect. Thus, adherence to the timeframe of 60 to 90 days is crucial for optimal performance.

8. What role does the Pitot tube play in fluid measurement?

- A. It measures viscosity
- B. It measures flow velocity**
- C. It measures temperature
- D. It measures pressure drop

The Pitot tube is a crucial instrument used in fluid dynamics, specifically designed to measure flow velocity. It works by comparing the static pressure and dynamic pressure of the fluid. When the Pitot tube is placed in the fluid flow, it captures the flow's impact pressure at the tip and the static pressure along its side. By calculating the difference between these two pressures, the velocity of the fluid can be determined using Bernoulli's equation. This principle of operation allows the Pitot tube to effectively measure how fast the fluid is moving, making it particularly valuable in applications such as aerodynamics, hydrodynamics, and various engineering fields where fluid flow rates are critical. Understanding how the Pitot tube functions can be essential for maintenance workers who deal with the measurement and management of fluid systems, contributing to accurate assessments of performance and safety in utilities maintenance.

9. What is the primary regulatory body overseeing drinking water quality in the U.S.?

- A. Environmental Protection Agency**
- B. Occupational Safety and Health Administration
- C. Food and Drug Administration
- D. Centers for Disease Control and Prevention

The primary regulatory body overseeing drinking water quality in the United States is the Environmental Protection Agency (EPA). The EPA is responsible for establishing regulations and standards to ensure the safety of drinking water supplies through the enforcement of the Safe Drinking Water Act. This act mandates the EPA to set maximum contaminant levels and oversee states and municipalities to ensure compliance with water quality standards. By doing so, the EPA plays a critical role in protecting public health and ensuring that drinking water is safe for consumption. Other organizations have different responsibilities; for instance, the Occupational Safety and Health Administration focuses on workplace safety rather than water quality. The Food and Drug Administration regulates food and certain aspects of pharmaceuticals but does not oversee drinking water specifically. The Centers for Disease Control and Prevention plays a role in public health and disease control but is not the regulatory authority for drinking water. Therefore, the EPA's specific mandate and comprehensive regulatory framework confirm its position as the primary body responsible for overseeing drinking water quality.

10. Which maintenance practice is essential for equipment longevity in utilities operations?

- A. Regular cleaning**
- B. Random inspections**
- C. Ignoring parameters**
- D. Adjusting without documentation**

Regular cleaning is essential for equipment longevity in utilities operations because it helps remove dirt, debris, and corrosive substances that can accumulate and potentially damage equipment components. Maintenance practices focusing on cleanliness prevent wear and tear, reduce the risk of equipment failure, and enhance efficiency by ensuring that all parts operate smoothly without obstruction. Implementing a consistent cleaning schedule, alongside other routine maintenance tasks, can significantly extend the life of equipment, minimize the need for repairs, and ensure that operations run safely and effectively. In contrast, practices such as random inspections, ignoring parameters, or adjusting components without proper documentation may lead to missed issues or further complications within the equipment, jeopardizing its performance and lifespan.

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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://utilitiesmaintenanceworker2.examzify.com>

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

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