

MEDICAL DEVICE REPROCESSING ASSOCIATION OF ONTARIO (MDRAO) PRACTICE EXAM (SAMPLE)

STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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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. Which category of microorganisms includes molds and yeasts?**
 - A. Bacteria
 - B. Viruses
 - C. Fungi
 - D. Prions

- 2. Which of the following is NOT one of the 5 modes of infection transmission?**
 - A. Contact (direct or indirect)
 - B. Airborne
 - C. Vector
 - D. Fluid transmission

- 3. Which jaw tips can be replaced on surgical instruments?**
 - A. All types of jaw tips
 - B. Only those made of stainless steel
 - C. Only jaw tips with tungsten-carbide inserts
 - D. None of the jaw tips can be replaced

- 4. According to CSA Standards, for how long must sterilization records be kept on file?**
 - A. 6 months
 - B. 1 year
 - C. 2+ years
 - D. 5 years

- 5. Which of the following is NOT an example of a disinfectant agent?**
 - A. Halogens
 - B. Alcohols
 - C. Detergents
 - D. Phenolics

- 6. Which of the following dimensions of quality does Accreditation Canada measure?**
- A. Cost-effectiveness, accessibility, responsiveness, client/community focus
 - B. Efficiency, safety, system competency, responsiveness
 - C. Client/community focus, work life, outcome management, safety
 - D. Responsiveness, system competency, client/community focus, work life
- 7. Are portable fans or air conditioners permitted in decontamination areas?**
- A. Yes, as long as they are small
 - B. Yes, but only for ventilation
 - C. No, they are not allowed
 - D. Yes, but only during specific times
- 8. What is true about suction canisters?**
- A. They can be reused multiple times
 - B. They are disposable
 - C. They are sterilizable
 - D. They must be cleaned after every use
- 9. Which of the following is NOT a type of fungi?**
- A. Mold
 - B. Yeast
 - C. Bacteria
 - D. Both mold and yeast
- 10. What does HLD stand for in the context of medical device reprocessing?**
- A. High-level disinfection
 - B. High-level decay
 - C. Hazard level determination
 - D. High-level dilution

Answers

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

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Explanations

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1. Which category of microorganisms includes molds and yeasts?

- A. Bacteria
- B. Viruses
- C. Fungi**
- D. Prions

The correct answer is "C. Fungi" because the category of microorganisms known as fungi encompasses both molds and yeasts. Fungi are a distinct group of organisms that are characterized by their eukaryotic cell structure, which means they have a defined nucleus and organelles. This reproductive group is crucial in various ecological roles, such as decomposers in ecosystems and even in food production, where yeasts are used in baking and brewing. Molds, which are multicellular fungi, grow as filamentous structures known as hyphae, forming a mycelium. Yeasts, on the other hand, are unicellular fungi that reproduce primarily by budding. The inclusion of both molds and yeasts in the fungi category highlights their shared biological characteristics and ecological importance, distinguishing them from other microorganism categories like bacteria, viruses, and prions, each of which has unique structural and functional differences.

2. Which of the following is NOT one of the 5 modes of infection transmission?

- A. Contact (direct or indirect)
- B. Airborne
- C. Vector
- D. Fluid transmission**

Fluid transmission is not recognized as one of the standard 5 modes of infection transmission. The primary modes of infection transmission include contact (which encompasses both direct and indirect contact), airborne transmission, droplet transmission, vector transmission, and common vehicle transmission. Infection transmission via fluid could occur through various routes, but it doesn't constitute a separate mode on its own like the recognized categories. The other options—contact, airborne, and vector—are well-established and define how pathogens move from one host to another. Understanding these modes is crucial for implementing appropriate infection control measures in healthcare settings to reduce the risk of spreading infections.

3. Which jaw tips can be replaced on surgical instruments?

- A. All types of jaw tips
- B. Only those made of stainless steel
- C. Only jaw tips with tungsten-carbide inserts**
- D. None of the jaw tips can be replaced

The replacement of jaw tips on surgical instruments is typically applicable to those specifically designed with tungsten-carbide inserts. Tungsten-carbide offers enhanced durability and cutting precision, making these instruments more effective during surgical procedures. Instruments with tungsten-carbide inserts often have jaw tips that can be replaced to maintain their performance without the need to replace the entire instrument. In contrast, jaw tips made of other materials may not be designed for replacement. For example, stainless steel jaw tips are often part of the overall instrument structure and may not be intended for individual replacement, leading to the conclusion that not all types of jaw tips can be interchanged. This makes the option that focuses on jaw tips with tungsten-carbide inserts the accurate choice, as it highlights the specific instruments designed for this purpose. The notion that all types of jaw tips or none at all can be replaced does not align with the specialized reprocessing and maintenance practices within surgical settings. Recognizing the specific capabilities of instruments, especially those with advanced materials like tungsten-carbide, is essential for effective surgical instrument management.

4. According to CSA Standards, for how long must sterilization records be kept on file?

- A. 6 months
- B. 1 year
- C. 2+ years**
- D. 5 years

The correct answer highlights the importance of maintaining sterilization records for a duration of over two years, as stipulated by the Canadian Standards Association (CSA) standards. This requirement is essential for ensuring patient safety and accountability in medical device reprocessing. Keeping records for an extended period allows facilities to track and verify the sterility of reusable medical devices, ensure compliance with regulatory standards, and facilitate investigations in the event of adverse incidents. The length of time specified helps organizations maintain a comprehensive record-keeping system that can be referenced when needed, enhancing the overall safety and quality of patient care. The requirement for such documentation also aligns with best practices within healthcare settings, where ongoing monitoring and evaluation of sterilization processes are crucial for infection control measures.

5. Which of the following is NOT an example of a disinfectant agent?

- A. Halogens
- B. Alcohols
- C. Detergents**
- D. Phenolics

Detergents are primarily classified as cleaning agents rather than disinfectants. Their primary function is to aid in the removal of dirt, grease, and organic materials from surfaces through physical and chemical action. While some detergents can have minor antimicrobial properties and may assist in the disinfection process when combined with disinfectants, they do not possess the necessary efficacy or broad-spectrum action required to be categorized as disinfectant agents by themselves. In contrast, the other substances mentioned—halogens, alcohols, and phenolics—are recognized for their disinfectant properties. Halogens, such as chlorine and iodine, are known for their ability to kill bacteria, viruses, and fungi. Alcohols, particularly isopropyl and ethyl alcohol, are effective against a wide range of microorganisms. Phenolics are also powerful disinfectants, known for their effectiveness against bacteria and certain viruses. Thus, identifying detergents as having a different primary function emphasizes the distinction between cleaning and disinfecting agents within the context of infection control and medical device reprocessing.

6. Which of the following dimensions of quality does Accreditation Canada measure?

- A. Cost-effectiveness, accessibility, responsiveness, client/community focus
- B. Efficiency, safety, system competency, responsiveness
- C. Client/community focus, work life, outcome management, safety
- D. Responsiveness, system competency, client/community focus, work life**

Accreditation Canada measures quality across several dimensions that are essential to ensure that healthcare organizations provide safe and effective services. The correct answer highlights the significance of responsiveness, system competency, client/community focus, and work life. Responsiveness refers to how well a healthcare organization meets the needs and preferences of clients and communities, ensuring that services are available and accessible when needed. System competency involves evaluating how effectively healthcare systems operate to deliver the best possible care. Client/community focus emphasizes prioritizing patients and their communities in care planning and delivery, making sure that their needs and values are respected. Work life acknowledges the importance of staff well-being as it directly impacts the quality of care provided and fosters an environment where healthcare professionals can perform their best. These elements align closely with the accreditation standards which aim to improve quality and foster a culture of continuous improvement in healthcare services, ensuring that both patients and healthcare providers are supported and satisfied within the system.

7. Are portable fans or air conditioners permitted in decontamination areas?

- A. Yes, as long as they are small
- B. Yes, but only for ventilation
- C. No, they are not allowed**
- D. Yes, but only during specific times

The rationale for not permitting portable fans or air conditioners in decontamination areas is rooted in maintaining a controlled and safe environment for the reprocessing of medical devices. Decontamination areas need to minimize the risk of contamination and ensure that the air quality is consistently managed. Using portable fans or air conditioning units can inadvertently spread pathogens or contaminants that may be present in the area, compromising the integrity of the reprocessing process. These units can potentially create airflow that disrupts the intended control measures in place, leading to cross-contamination of sterile and non-sterile items. Additionally, portable units could present a safety hazard, as they may not be designed to function in environments that deal with biological or hazardous materials. By not allowing such devices, facilities can better ensure that they uphold stringent infection control standards and keep the areas designated for decontamination safe and effective for their intended purpose.

8. What is true about suction canisters?

- A. They can be reused multiple times
- B. They are disposable**
- C. They are sterilizable
- D. They must be cleaned after every use

Suction canisters are typically designed for single use and are classified as disposable. This design ensures that they are used to collect physiological fluids in a safe and effective manner without the risk of cross-contamination or infection. By being disposable, suction canisters also eliminate the need for complex cleaning and sterilization processes, which can be cumbersome and might compromise their integrity if reused. The aspect of being reusable would compromise infection control standards, as any residual biological material could pose serious health risks. Additionally, while some components related to suction systems may be sterilizable, the canisters themselves are generally not meant for sterilization due to their material properties and intended use. Selection and handling of suction canisters focus on maintaining the highest safety standards, which is why disposability is the preferred option.

9. Which of the following is NOT a type of fungi?

- A. Mold
- B. Yeast
- C. Bacteria**
- D. Both mold and yeast

Fungi are a distinct group of organisms that include various forms, primarily molds and yeasts. Mold refers to a type of fungus that typically grows in multicellular filaments called hyphae, forming a network known as mycelium, whereas yeast is a unicellular fungal organism that reproduces primarily through budding. Both of these options are well-established categories within the kingdom of fungi. Bacteria, on the other hand, belong to a completely different domain of life known as prokaryotes. They are single-celled organisms that lack a nucleus and are fundamentally different in structure and function from fungi. As such, identifying bacteria as not being a type of fungi is accurate because they are classified separately in biological taxonomy. Understanding these distinctions is essential in fields like microbiology, infectious disease treatment, and medical device reprocessing, where knowledge of different microorganisms is critical.

10. What does HLD stand for in the context of medical device reprocessing?

- A. High-level disinfection**
- B. High-level decay
- C. Hazard level determination
- D. High-level dilution

High-level disinfection (HLD) is an essential process within the realm of medical device reprocessing. It refers to a rigorous method used to eliminate all microorganisms, except large numbers of bacterial spores, from medical devices that come into contact with mucous membranes or sterile body tissues. HLD is critical for ensuring patient safety, particularly when devices cannot undergo sterilization due to material constraints or the nature of their use. Understanding the distinction between disinfection levels is important, as devices categorized for HLD ensure a high standard of cleanliness and safety. This term is widely recognized and utilized in healthcare settings to establish protocols for reprocessing instruments, ensuring compliance with health regulations. In contrast, the other options, such as high-level decay, hazard level determination, and high-level dilution do not pertain to established terminology or practices in the context of medical device reprocessing. They either refer to concepts from different domains or do not address the reprocessing standards necessary for maintaining the integrity and safety of medical devices. Thus, high-level disinfection stands out as the correct term in this context.

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://mdrao.examzify.com>

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

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