

CERTIFIED PHLEBOTOMY TECHNICIAN I (CPT1) ANDERSON CE PRACTICE TEST (SAMPLE)

STUDY GUIDE



Prepare with structure. Pass with confidence



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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 is the effect of applying a cold compress to a patient's neck or forehead during syncope?**
 - A. It speeds up recovery
 - B. It cools the patient
 - C. It provides comfort and reduces symptoms
 - D. It prevents bleeding

- 2. What can cause hemolysis of red blood cells during blood collection?**
 - A. Slow gentle mixing
 - B. Excessively shaking or rotating the blood
 - C. Using a large bore needle
 - D. Collecting blood from the arm

- 3. Why should a phlebotomist discuss the procedure with the patient beforehand?**
 - A. To ensure they are aware of the risks involved
 - B. To make the patient feel nervous
 - C. To fulfill a legal requirement
 - D. To gather unnecessary personal information

- 4. What is the purpose of a phlebotomy training program?**
 - A. To prepare individuals for administration tasks
 - B. To equip individuals with necessary skills and knowledge for blood collection
 - C. To train individuals in pharmacy practices
 - D. To develop research skills in laboratory settings

- 5. Which statement about blood samples from edematous sites is true?**
 - A. They provide accurate reflections of the patient's physiology
 - B. They may not reflect the patient's physiology accurately
 - C. They should always be avoided when possible
 - D. They are preferred in emergency situations

- 6. What is the purpose of performing a “blood cultures” test?**
- A. To determine blood type
 - B. To detect bacterial infections in the bloodstream
 - C. To analyze kidney function
 - D. To check for anemia
- 7. What color tube would you use for a basic metabolic panel (BMP)?**
- A. Red
 - B. Blue
 - C. Gold or tiger top
 - D. Purple
- 8. What is point-of-care testing (POCT) also known as?**
- A. Central laboratory testing
 - B. Alternate site testing
 - C. Remote diagnostic testing
 - D. Immediate laboratory evaluation
- 9. What is the recommended order of draw when obtaining specimens by capillary puncture according to CLSI?**
- A. Serum specimens first, followed by EDTA specimens
 - B. Blood gas specimens, then EDTA specimens, then all other additive specimens, serum last
 - C. EDTA specimens first, followed by serum specimens
 - D. All specimens drawn in any order
- 10. What condition may signal the need for a blood type and screen?**
- A. Routine check-up
 - B. Scheduled surgery or blood transfusion
 - C. Vaccine administration
 - D. Pregnancy test

Answers

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

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Explanations

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1. What is the effect of applying a cold compress to a patient's neck or forehead during syncope?

- A. It speeds up recovery
- B. It cools the patient
- C. It provides comfort and reduces symptoms**
- D. It prevents bleeding

Applying a cold compress to a patient's neck or forehead during syncope serves primarily to provide comfort and reduce symptoms associated with fainting. When a person is experiencing syncope, they may feel hot, sweaty, or dizzy, and the sensation of a cold compress can help alleviate these feelings. The cool temperature can stimulate sensory receptors, providing distraction from the discomfort and potentially leading to a sense of relaxation and comfort. This practice can promote a more stable physiologic state, aiding in the patient's recovery process. While cooling the patient and potentially speeding recovery can be secondary benefits, the primary purpose is to enhance comfort and mitigate the immediate distress caused by symptoms of syncope. The compress does not directly prevent bleeding or have significant physiological impacts beyond comfort in this context.

2. What can cause hemolysis of red blood cells during blood collection?

- A. Slow gentle mixing
- B. Excessively shaking or rotating the blood**
- C. Using a large bore needle
- D. Collecting blood from the arm

When blood is collected, hemolysis refers to the rupture of red blood cells, releasing their contents into the plasma. This can lead to various complications, including inaccurate lab results. One of the common causes of hemolysis during blood collection is excessively shaking or rotating the blood collection device. This vigorous agitation creates shear forces that can damage the fragile red blood cell membrane, leading to hemolysis. Proper handling techniques, such as gently mixing blood in tubes, are critical to avoid introducing stress that causes cell rupture. Within the context of the choices provided, while other options may relate to blood collection practices, none contribute to hemolysis as significantly as the act of excessive shaking or rotation does. It is essential for phlebotomy technicians to handle blood samples with care to maintain the integrity of the specimen for accurate diagnosis and treatment planning.

3. Why should a phlebotomist discuss the procedure with the patient beforehand?

- A. To ensure they are aware of the risks involved**
- B. To make the patient feel nervous
- C. To fulfill a legal requirement
- D. To gather unnecessary personal information

Discussing the procedure with the patient beforehand is crucial because it helps to ensure that they are aware of the risks involved. This conversation provides an opportunity for the phlebotomist to explain what will happen during the blood draw, any potential side effects, and even address any concerns the patient may have about the procedure. By informing the patient about the risks, it not only helps to build trust but also promotes patient safety and comfort. This interaction can also help to alleviate any fears or anxieties the patient may have, ultimately enhancing their experience. While legal requirements and ethical practice do intersect with this discussion, the fundamental reason remains centered on patient education and awareness regarding their own health and the procedure being performed.

4. What is the purpose of a phlebotomy training program?

- A. To prepare individuals for administration tasks
- B. To equip individuals with necessary skills and knowledge for blood collection**
- C. To train individuals in pharmacy practices
- D. To develop research skills in laboratory settings

The primary purpose of a phlebotomy training program is to equip individuals with the necessary skills and knowledge for blood collection. These programs focus on teaching students the proper techniques for drawing blood, understanding the various veins in the body, employing safety protocols, and ensuring patient comfort throughout the process. This includes both theoretical knowledge and hands-on experience, allowing future phlebotomists to perform their duties effectively and confidently. While administration tasks, pharmacy practices, and laboratory research skills are important in the broader medical field, they do not form the main foundation of a phlebotomy training program. The curriculum is specifically tailored to blood collection, which is critical for laboratory testing and diagnosis, making the focus on the specific skill set required for phlebotomists essential.

5. Which statement about blood samples from edematous sites is true?

- A. They provide accurate reflections of the patient's physiology
- B. They may not reflect the patient's physiology accurately**
- C. They should always be avoided when possible
- D. They are preferred in emergency situations

The correct answer highlights that blood samples obtained from edematous sites may not reflect the patient's physiology accurately. Edema, which is the swelling caused by excess fluid trapped in the body's tissues, can alter the composition of the blood collected from that area. For instance, the presence of excess fluid can dilute the blood's cellular components, leading to skewed laboratory results that might not properly represent the patient's actual physiological condition. In contrast, samples taken from areas affected by edema might show artificially lowered concentrations of certain blood components or may exhibit changes in various laboratory values, potentially leading to misdiagnosis or inappropriate treatment. This consideration makes it crucial for phlebotomists to be aware of the condition of the sampling site and its impact on the quality and reliability of the blood samples. Therefore, it is important to be cautious and consider other sampling sites whenever possible.

6. What is the purpose of performing a "blood cultures" test?

- A. To determine blood type
- B. To detect bacterial infections in the bloodstream**
- C. To analyze kidney function
- D. To check for anemia

Performing a "blood cultures" test is specifically designed to detect bacterial infections in the bloodstream. This test involves drawing blood and placing it in a special culture medium that promotes the growth of bacteria if they are present. If bacteria are indeed present in the bloodstream, they will multiply in this medium, allowing for identification of the specific organism responsible for the infection. Detecting these infections is critical because they can lead to serious conditions, such as sepsis. The other options relate to different tests and purposes: determining blood type involves a completely different process that checks for blood group antigens; analyzing kidney function typically involves tests like creatinine and BUN levels rather than blood cultures; and checking for anemia usually requires a complete blood count (CBC), rather than a blood culture. Each of these tests is important, but they serve unique medical purposes that do not overlap with the purpose of blood cultures.

7. What color tube would you use for a basic metabolic panel (BMP)?

- A. Red
- B. Blue
- C. Gold or tiger top**
- D. Purple

A basic metabolic panel (BMP) typically requires the use of a gold or tiger top tube. This type of tube contains a gel separator that allows for the separation of serum from the blood cells after centrifugation. The BMP test measures various substances in the blood, including glucose, calcium, and electrolytes, which are all contained in the serum component. Using the gold or tiger top tube ensures that the serum is effectively separated, providing an accurate assessment of the biochemical constituents being measured. Other tubes, like red, blue, or purple, are used for different types of tests that don't require the same serum separation process; for example, red tubes may be used for serum tests without additives, blue tubes are often used for coagulation tests, and purple tubes are typically for complete blood counts and other hematology tests.

8. What is point-of-care testing (POCT) also known as?

- A. Central laboratory testing
- B. Alternate site testing**
- C. Remote diagnostic testing
- D. Immediate laboratory evaluation

Point-of-care testing (POCT) is also known as alternate site testing because it refers to medical testing performed at or near the site of patient care rather than in a centralized laboratory. This type of testing allows for immediate results, which can lead to prompt clinical decisions and treatment. The term "alternate site testing" emphasizes that these tests are conducted outside the traditional laboratory setting, such as in clinics, emergency rooms, or even at home, making healthcare more accessible and efficient. In contrast, the other options refer to different testing contexts or environments and do not accurately capture the essence of POCT as being specifically designed for immediate or near-real-time results at the point of care.

9. What is the recommended order of draw when obtaining specimens by capillary puncture according to CLSI?

- A. Serum specimens first, followed by EDTA specimens
- B. Blood gas specimens, then EDTA specimens, then all other additive specimens, serum last**
- C. EDTA specimens first, followed by serum specimens
- D. All specimens drawn in any order

The recommended order of draw when obtaining specimens by capillary puncture is crucial to ensure the integrity of the samples and to avoid cross-contamination between different types of anticoagulants and additives. The correct choice indicates that blood gas specimens should be drawn first, followed by EDTA specimens, and then all other additive specimens, with serum specimens being drawn last. This order is important because blood gas specimens are especially sensitive to the handling and timing of the draw. They require immediate analysis to obtain accurate results, and drawing these first minimizes the risk of contamination from other additives that might affect the results. EDTA specimens are drawn next since EDTA is an anticoagulant that prevents clotting, and it is essential to have these samples after the blood gas to avoid any potential interference. Following these, other additive specimens are collected, which could also have various effects on the samples, so they should be drawn after the most sensitive specimens. Drawing serum specimens last is also logical because they require clotting, and by drawing them after the other types, you reduce the risk of introducing additives that could interfere with the clotting process or sample integrity. This systematic approach is vital in clinical settings to ensure accuracy and reliability in test results.

10. What condition may signal the need for a blood type and screen?

- A. Routine check-up
- B. Scheduled surgery or blood transfusion**
- C. Vaccine administration
- D. Pregnancy test

The need for a blood type and screen is often prompted by a scheduled surgery or the potential for a blood transfusion. This is crucial because knowing a patient's blood type can help prevent severe reactions during transfusions, which can occur if a patient receives blood that is not compatible with their own. The screening process checks for the presence of antibodies in the blood, which could indicate potential complications. While routine check-ups, vaccine administrations, or pregnancy tests might involve various tests and assessments, they do not typically necessitate a blood type and screen. It is in the context of surgical procedures or when there is a plan for administering blood transfusions where this testing becomes essential to ensure patient safety and proper care.

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://cpt1andersonce.examzify.com>

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

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