

# PHLEBOTOMY (PM) CLASS PRACTICE TEST (SAMPLE)

## STUDY GUIDE



## SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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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. In relation to HIV testing, what type of consent is required?**
  - A. General consent for all medical procedures
  - B. Implied consent based on actions
  - C. Special permission specifically for HIV testing
  - D. Expressed consent for blood draws only
- 2. What happens to clotting factors during the process of coagulation?**
  - A. They are mixed with serum
  - B. They become active and participate in clot formation
  - C. They are removed from the blood sample
  - D. They remain inactive in plasma
- 3. How should the site be prepared before drawing blood?**
  - A. Wipe the site with alcohol in a back-and-forth motion
  - B. Use antiseptic wipes without alcohol
  - C. Clean the site with 70% isopropyl alcohol in a circular motion and allow it to dry
  - D. Shave hair off the site to ensure cleanliness
- 4. What should a phlebotomist do if a patient feels faint during a blood draw?**
  - A. Continue with the procedure as normal
  - B. Stop the procedure, help the patient lie down, and monitor them
  - C. Encourage the patient to sit up quickly
  - D. Call for additional medical assistance immediately
- 5. What does the serum separator tube (SST) contain?**
  - A. A clotting factor
  - B. A gel that separates serum from the blood after centrifugation
  - C. Hematocrit
  - D. Sodium citrate
- 6. What occurs during the vascular phase of hemostasis?**
  - A. Blood clot formation
  - B. Vessel constriction and damage repair
  - C. Platelet aggregation
  - D. Infection response

**7. What is the sixth tube in the order of draw?**

- A. Pink
- B. Dark green
- C. Gold/tiger/marble
- D. Light green

**8. What factors can affect blood test results?**

- A. Time of day, temperature, and humidity
- B. Fasting, hydration status, medications, and time of day
- C. Patient's weight and height
- D. Age and gender of the patient

**9. Which tube comes third in the order of draw?**

- A. Light blue
- B. Pink
- C. Gold/tiger/marble
- D. Dark green

**10. What is the primary purpose of OSHA?**

- A. To ensure employees have annual vacations
- B. To regulate employee wages
- C. To oversee workplace safety and health regulations
- D. To mandate employee training programs



## **Answers**

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

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## **Explanations**

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## 1. In relation to HIV testing, what type of consent is required?

- A. General consent for all medical procedures
- B. Implied consent based on actions
- C. Special permission specifically for HIV testing**
- D. Expressed consent for blood draws only

*The requirement for special permission specifically for HIV testing is grounded in the understanding that HIV testing involves sensitive information that pertains to an individual's health and privacy. This type of consent is necessary because individuals need to be fully informed about what the test entails, the potential implications of the results, and their right to decline the test. HIV testing involves more than a routine medical procedure; it deals with significant personal and societal issues such as stigma and discrimination. Therefore, obtaining informed consent ensures that the individual understands these aspects and agrees voluntarily to the test. This process is designed to protect the rights and privacy of patients while also promoting ethical standards in medical practice. General consent for all medical procedures does not suffice for HIV testing due to the specific nature and sensitivity of the information involved. Implied consent based on actions may be suitable for some routine procedures but does not encompass the need for explicit understanding regarding HIV testing. Expressed consent for blood draws only might be relevant in the procedure context but does not appropriately address the distinct considerations surrounding HIV testing itself.*

## 2. What happens to clotting factors during the process of coagulation?

- A. They are mixed with serum
- B. They become active and participate in clot formation**
- C. They are removed from the blood sample
- D. They remain inactive in plasma

*During the process of coagulation, clotting factors undergo a critical transformation where they become active and participate in the formation of a blood clot. This process is essential for hemostasis, which is the body's natural response to stop bleeding. When a blood vessel is injured, a series of biochemical reactions are activated, leading to the conversion of inactive clotting factors into their active forms. These activated factors then work in a cascade that ultimately results in the formation of fibrin, a key protein that meshes together with platelets to form a stable clot. The significance of this process lies in its role in preventing excessive blood loss and facilitating wound healing. Understanding that clotting factors must become active during coagulation underscores the dynamic nature of hemostatic processes in the body. This distinction is crucial for grasping how the body responds to vascular injury and maintaining overall circulatory health.*

### 3. How should the site be prepared before drawing blood?

- A. Wipe the site with alcohol in a back-and-forth motion
- B. Use antiseptic wipes without alcohol
- C. Clean the site with 70% isopropyl alcohol in a circular motion and allow it to dry**
- D. Shave hair off the site to ensure cleanliness

*The proper method for preparing the site before drawing blood involves cleaning the skin with a suitable antiseptic solution to minimize the risk of infection. Using 70% isopropyl alcohol in a circular motion is effective because this technique ensures a thorough cleansing of the area. Starting from the center of the site and moving outward in circles helps to remove contaminants and microbes, reducing the risk of introducing bacteria into the bloodstream during the blood draw. Allowing the site to dry completely is also essential, as this process enhances the antiseptic's effectiveness and reduces the sensation of stinging that may occur with an alcohol prep when it is applied to wet skin. Using alcohol in a back-and-forth motion may not provide as thorough coverage as the circular method, while alternatives like non-alcohol antiseptic wipes may not be as effective against bacteria. Shaving hair at the site can also introduce micro-abrasions that increase the risk of infection and is typically unnecessary if the skin is properly prepared. Thus, cleaning with 70% isopropyl alcohol in a circular motion and allowing it to dry is the best practice for ensuring the site is adequately prepared prior to a blood draw.*

### 4. What should a phlebotomist do if a patient feels faint during a blood draw?

- A. Continue with the procedure as normal
- B. Stop the procedure, help the patient lie down, and monitor them**
- C. Encourage the patient to sit up quickly
- D. Call for additional medical assistance immediately

*When a patient feels faint during a blood draw, the most appropriate response is to stop the procedure, help the patient lie down, and monitor them. This approach is crucial for several reasons. First, when a patient experiences faintness, it is often indicative of potential syncope (fainting), which can occur due to stress, anxiety, or the body's reaction to blood withdrawal. By stopping the procedure, the phlebotomist prioritizes the patient's safety and comfort. Helping the patient to lie down can prevent the risk of falling and reduces the chances of injury from a fainting episode. Additionally, monitoring the patient allows the phlebotomist to observe any changes in their condition and provide assistance as needed. This can include checking for signs of distress and ensuring the patient remains stable until they feel well enough to resume normal activities or until further medical assistance is required. While it's important to be attentive and provide support to the patient, continuing with the procedure or encouraging the patient to sit up quickly could exacerbate their discomfort and increase the risk of injury. Calling for additional medical assistance may be appropriate in more severe cases, but the immediate action should focus on ensuring the patient's safety and providing appropriate care.*

## 5. What does the serum separator tube (SST) contain?

- A. A clotting factor
- B. A gel that separates serum from the blood after centrifugation**
- C. Hematocrit
- D. Sodium citrate

*The serum separator tube (SST) is specifically designed to facilitate the separation of serum from blood after centrifugation. The critical feature of the SST is the gel additive it contains, which forms a barrier between the serum and the cellular components of the blood once the tube is spun in a centrifuge. This gel allows for easy collection of the serum for various laboratory analyses while preventing contamination from cellular elements. The utilization of the SST is common in clinical settings where serum samples are required for testing, making its role essential in phlebotomy. Other options refer to components that serve different purposes. Clotting factors are present in blood but are not unique to SSTs; hematocrit relates to the measurement of the proportion of blood volume that is occupied by red blood cells and does not pertain to the tube's function; sodium citrate is an anticoagulant commonly used in other types of blood tubes, such as those for coagulation studies, rather than for serum separation. This distinction highlights the specific function and purpose of the serum separator tube.*

## 6. What occurs during the vascular phase of hemostasis?

- A. Blood clot formation
- B. Vessel constriction and damage repair**
- C. Platelet aggregation
- D. Infection response

*During the vascular phase of hemostasis, vessel constriction and damage repair are key processes that occur immediately following an injury to a blood vessel. This phase is crucial because it reduces blood flow to the area, which minimizes blood loss. When a blood vessel is damaged, the smooth muscle cells in the vessel wall contract in response to the injury, a process known as vasoconstriction. This reaction not only helps to limit blood flow but also serves to provide time for the subsequent phases of hemostasis, which include platelet aggregation and clot formation. Additionally, during this phase, the endothelial cells that line the vessel become activated and participate in the repair process. They can release signaling molecules and promote the adhesion of platelets. The vascular phase is primarily about immediate responses to vascular injury rather than the formation of a stable clot, which occurs in later stages of hemostasis, nor does it relate to infection response processes.*

## 7. What is the sixth tube in the order of draw?

- A. Pink
- B. Dark green
- C. Gold/tiger/marble**
- D. Light green

The correct answer is the gold/tiger/marble tube, which is the sixth in the order of draw. This tube is typically used for serological tests and chemistry analyses because it contains a gel separator that helps to separate the serum from the blood cells after centrifugation. This property allows for easier handling and more accurate results for various tests, making it a crucial part of laboratory protocols. Understanding the order of draw is vital in phlebotomy to prevent cross-contamination between different additives present in the tubes. Each type of tube has specific additives that serve different purposes, and using them in the correct order helps ensure valid test results. In this context, while the pink tube is often used for blood banking and transfusion purposes, the dark green tube is associated with tests that require heparin as an anticoagulant, and the light green tube generally contains a lithium heparin and gel for plasma separation. None of these tubes precede the gold/tiger/marble tube in the established order, which begins with the sterile culture tubes and ends with serum tubes like the gold/tiger/marble option.

## 8. What factors can affect blood test results?

- A. Time of day, temperature, and humidity
- B. Fasting, hydration status, medications, and time of day**
- C. Patient's weight and height
- D. Age and gender of the patient

The chosen answer accurately highlights several key factors that can significantly influence blood test results. Fasting is particularly crucial for certain tests, such as glucose and lipid profiles, where food intake prior to testing could lead to elevated levels that do not accurately reflect the patient's baseline condition. Hydration status is also important; dehydration can concentrate substances in the blood, leading to potentially misleading results, while overhydration can dilute them. Medications can alter levels of various analytes in the blood. For example, certain medications can elevate liver enzymes, shift electrolytes, or change the levels of hormones, all of which would affect test readings. Additionally, the time of day can be relevant, as the body may exhibit diurnal variations in the levels of certain substances, such as cortisol or hormones. While factors like age, gender, weight, height, temperature, and humidity have some influence, they do not have the same direct and significant impact on blood test results as the factors listed in the correct answer. Understanding these influencing factors is crucial for patients and healthcare providers to ensure that test results are interpreted accurately.

## 9. Which tube comes third in the order of draw?

- A. Light blue
- B. Pink
- C. Gold/tiger/marble
- D. Dark green

*The order of draw is an essential aspect of phlebotomy that helps prevent cross-contamination of additives in blood collection tubes, which can affect test results. In this case, the light blue tube is indeed associated with the third position in the order of draw. The light blue tube is primarily used for coagulation studies, and its specific additive, sodium citrate, requires a precise blood-to-additive ratio for accurate results. Collecting it in the correct sequence helps maintain the integrity of coagulation tests by ensuring the sample is not contaminated by the residual additives from other tubes. The standard order of draw generally starts with blood cultures, followed by tubes with additives such as those for serum tests, and then the light blue tube. Therefore, the selection of the light blue tube as the third in the order aligns with established practices in phlebotomy, ensuring that coagulation tests yield reliable outcomes.*

## 10. What is the primary purpose of OSHA?

- A. To ensure employees have annual vacations
- B. To regulate employee wages
- C. To oversee workplace safety and health regulations
- D. To mandate employee training programs

*The primary purpose of OSHA, which stands for the Occupational Safety and Health Administration, is to oversee workplace safety and health regulations. This federal agency was established to ensure that workers are provided with a safe and healthful workplace by setting and enforcing standards, as well as providing training, outreach, education, and assistance. OSHA's regulations play a crucial role in reducing the incidence of workplace injuries, illnesses, and fatalities, thus promoting overall employee welfare. In the context of workplace safety, OSHA focuses on various standards that cover numerous hazards, including chemical exposure, machinery safety, fire safety, and other potential risks employees may encounter. This focus is essential for creating an environment where employees can perform their duties without undue risk to their health or safety, which is why its mission is central to workplace safety regulations.*



## 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](mailto:hello@examzify.com).

Or visit your dedicated course page for more study tools and resources:

<https://pmclass.examzify.com>

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

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