

BIOHORIZONS PRACTICE EXAM (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. True or False: The 3 mm threadform is effective when immediately loaded.
 - A. True
 - B. False
 - C. Conditional
 - D. Not applicable
2. What can excessive mechanical stress on an implant lead to?
 - A. Increased bone integration
 - B. Enhanced healing
 - C. Potential failure of the implant
 - D. No effect on the implant
3. Which color of Biohorizons implant is characterized by a 5 mm diameter?
 - A. Yellow
 - B. Green
 - C. Blue
 - D. Purple
4. Which implant was introduced by Biohorizons in 2024?
 - A. Standard cylindrical implant
 - B. Tapered pro conical implant
 - C. Shortened implant
 - D. Flat base implant
5. What was the initial height of the polished collar on external hex implants?
 - A. 0.3 mm
 - B. 0.5 mm
 - C. 0.7 mm
 - D. 1.0 mm
6. One piece implant designs are known for providing maximum:
 - A. Flexibility and precision
 - B. Strength and complexity
 - C. Strength and restorative simplicity
 - D. Cost-effectiveness and ease of use

- 7. What role does patient adherence play in implant success?**
- A. It is essential for achieving predictable outcomes
 - B. It is optional and not very important
 - C. It only matters prior to the implant placement
 - D. It primarily affects aesthetic results
- 8. Why is it important to assess bone quality before dental implant placement?**
- A. To ensure proper healing and stability
 - B. It is not necessary
 - C. To match the implant size to the patient's preference
 - D. To confirm aesthetic expectations
- 9. What are some potential complications following implant surgery?**
- A. Tooth decay and gum disease
 - B. Implant failure, infection, and nerve injury
 - C. Allergic reactions and aesthetic discrepancies
 - D. Excessive bleeding and dental caries
- 10. What type of connection does the Nobel Biocare implant system provide?**
- A. 10 degree cone connection
 - B. 12 degree cone hex connection
 - C. 15 degree cone hex connection
 - D. 18 degree taper connection

Answers

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

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Explanations

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1. True or False: The 3 mm threadform is effective when immediately loaded.

- A. True**
- B. False
- C. Conditional
- D. Not applicable

The 3 mm threadform is indeed effective when immediately loaded due to its design characteristics that enhance stability and retention in the bone. This threadform is specifically engineered to provide optimal contact with the surrounding bone, which improves primary stability. The increased surface area and the depth of the threads allow for better engagement with the bone, which is crucial during the initial healing phase, especially when immediate loading is applied. Immediate loading refers to the practice of placing a prosthetic restoration on an implant right after the implant placement. In cases where the implant demonstrates high stability, using a 3 mm threadform can facilitate this process because it lessens the risk of micromovement that may lead to implant failure. Thus, using this type of threadform under the right conditions supports successful osseointegration and long-term success of the implant. Other choices may suggest that the threadform is not immediately effective or that it operates under specific conditions. However, the characteristics of the 3 mm threadform, when properly utilized, support its effectiveness with immediate loading without needing additional constraints or conditions to be met.

2. What can excessive mechanical stress on an implant lead to?

- A. Increased bone integration
- B. Enhanced healing
- C. Potential failure of the implant**
- D. No effect on the implant

Excessive mechanical stress on an implant can lead to potential failure of the implant due to several factors related to the implant's stability and the surrounding bone structure. When an implant is subjected to more force than it can withstand, it may cause loosening, fracture, or even complete failure of the implant. This stress can result in micro-motion at the interface between the implant and the bone, disrupting the process of osseointegration, which is crucial for the long-term success of the implant. Inadequate integration can lead to bone resorption and failure to maintain the necessary support for the implant. In contrast, increased bone integration and enhanced healing are outcomes that would result from appropriate mechanical loading, rather than excessive stress. Additionally, suggesting that excessive mechanical stress would have no effect on the implant undermines the fundamental principles of biomechanics and the importance of maintaining appropriate load distribution to ensure the longevity and effectiveness of dental implants.

3. Which color of Biohorizons implant is characterized by a 5 mm diameter?

- A. Yellow
- B. Green
- C. Blue**
- D. Purple

The Biohorizons implant with a 5 mm diameter is characterized by the color blue. In the Biohorizons system, color coding is utilized to help practitioners quickly identify implant dimensions and features, making it easier to select the appropriate implant for a given clinical situation. The blue color designation specifically corresponds to the 5 mm diameter implants, which are designed to provide a suitable option for various clinical scenarios where a wider implant is required. Knowing these color codes is essential for efficient and accurate identification of implant specifications during dental procedures. This understanding aids in proper planning and execution of implant placements, ensuring optimal outcomes for patient care.

4. Which implant was introduced by Biohorizons in 2024?

- A. Standard cylindrical implant
- B. Tapered pro conical implant**
- C. Shortened implant
- D. Flat base implant

The tapered pro conical implant is correct as it was specifically designed to enhance stability and provide optimal bone engagement in various clinical situations. The tapered design allows for easier placement in areas with limited bone volume and offers improved aesthetics due to its ability to blend well with the natural contours of the jawbone. Its conical shape helps in reducing stress on the surrounding bone, which can enhance the long-term success of the implant. Other implants, such as the standard cylindrical and shortened implants, may have their own advantages but do not represent the innovative approaches introduced by Biohorizons in 2024. The flat base implant, while useful in certain cases, lacks the unique tapering feature that sets the pro conical design apart in terms of versatility and application.

5. What was the initial height of the polished collar on external hex implants?

- A. 0.3 mm
- B. 0.5 mm**
- C. 0.7 mm
- D. 1.0 mm

The initial height of the polished collar on external hex implants was established at 0.5 mm. The significance of this height is linked to the design's influence on biointegration, tissue response, and long-term stability of the implant. A polished collar, typically found just above the threaded portion of the implant, is critical for minimizing soft tissue irritation and promoting better healing outcomes. The chosen height of 0.5 mm has been shown to provide an effective balance between enabling proper soft tissue attachment and ensuring that the collar does not interfere with the osseointegration of the implant into the bone. This design consideration is essential for the overall success of dental implants, as it aids in creating an optimal environment for healing following placement.

6. One piece implant designs are known for providing maximum:

- A. Flexibility and precision
- B. Strength and complexity
- C. Strength and restorative simplicity**
- D. Cost-effectiveness and ease of use

One-piece implant designs are known for providing maximum strength and restorative simplicity due to their unique construction. These implants typically feature a single cohesive structure that integrates the implant body and abutment, which enhances mechanical stability and strength. This design minimizes the risk of components loosening or failing over time, thus providing a robust solution for osseointegration and long-term success in dental implant applications. From a restorative perspective, the simplicity of one-piece implant designs significantly simplifies the process of prosthetic rehabilitation. Since there is no separate abutment to place, the procedure often requires fewer appointments and less complexity for the dental team. The straightforward connection between the implant and the restoration streamlines the workflow, allowing for a more efficient approach to patient care. This strength coupled with ease of restoration encapsulates the core advantages of one-piece implants, making this option the most appropriate choice.

7. What role does patient adherence play in implant success?

A. It is essential for achieving predictable outcomes

B. It is optional and not very important

C. It only matters prior to the implant placement

D. It primarily affects aesthetic results

Patient adherence is crucial for achieving predictable outcomes in implant success. This involves following pre-operative and post-operative care instructions, maintaining proper oral hygiene, and attending follow-up appointments. Compliance with these practices significantly minimizes the risk of complications, enhances healing, and ultimately contributes to the longevity of the implant. When patients adhere to the guidelines provided by their dental professionals, they are more likely to achieve optimal osseointegration, where the implant securely fuses with the jawbone. Neglecting adherence can lead to issues such as infection, implant failure, or other complications, which highlights the importance of patient engagement and responsibility in the overall treatment process. In contrast, the notion that adherence is optional undermines the evidence supporting the connection between compliance and implant success. Moreover, while adherence before implant placement is vital, it is equally important in the post-treatment phase to ensure proper maintenance. Lastly, while aesthetic results can be influenced by patient care, implant success encompasses broader aspects such as stability and functionality, which are heavily contingent on overall patient adherence.

8. Why is it important to assess bone quality before dental implant placement?

A. To ensure proper healing and stability

B. It is not necessary

C. To match the implant size to the patient's preference

D. To confirm aesthetic expectations

Assessing bone quality before placing a dental implant is crucial because it directly impacts the healing process and the overall stability of the implant. Bone quality refers not only to the density of the bone but also its structure and health, which can significantly influence the success of the implant. High-quality bone provides better integration and support for the implant, reducing the risk of complications such as implant failure or insufficient osseointegration. When planning for an implant, clinicians evaluate factors like bone density through various imaging techniques. This evaluation helps in selecting the appropriate implant type, size, and placement technique, all of which are tailored to the individual patient's bone characteristics. Ensuring that there is adequate bone quality minimizes the risk of post-operative issues and supports long-term implant success. Therefore, assessing bone quality is a fundamental step in the treatment planning process that contributes to optimal outcomes for patients.

9. What are some potential complications following implant surgery?

- A. Tooth decay and gum disease
- B. Implant failure, infection, and nerve injury**
- C. Allergic reactions and aesthetic discrepancies
- D. Excessive bleeding and dental caries

Implant failure, infection, and nerve injury are recognized complications that can arise after implant surgery. Understanding these potential issues is vital for both practitioners and patients to ensure a successful outcome. Implant failure can occur due to a variety of factors, including inadequate bone support, improper placement, or lack of osseointegration, where the implant fails to integrate successfully with the surrounding bone. Infection is another serious complication that can occur during the healing process. This may arise from bacteria introduced at the surgery site or poor post-operative care, which can lead to peri-implantitis, an inflammatory condition affecting the surrounding tissue and potentially leading to implant failure. Nerve injury can occur during the surgical procedure if the implant is placed too close to a nerve, particularly in the lower jaw where the inferior alveolar nerve runs close to the bone. Damage to this nerve can result in sensations such as numbness, tingling, or even pain in the lip, chin, or gums, which can be distressing for the patient. Identifying these potential complications helps in planning for better surgical outcomes and patient care strategies, including informed consent and post-operative monitoring. Understanding these risks also emphasizes the importance of the surgeon's experience and the quality of pre-surgical assessments.

10. What type of connection does the Nobel Biocare implant system provide?

- A. 10 degree cone connection
- B. 12 degree cone hex connection
- C. 15 degree cone hex connection**
- D. 18 degree taper connection

The Nobel Biocare implant system is known for its specific design features, particularly regarding the connection type. The correct answer refers to the 15 degree cone hex connection, which tightly integrates the implant and abutment, offering enhanced stability and reducing the risk of micro-movements. This connection design effectively maximizes the surface area for force distribution, which is crucial in preventing complications such as screw loosening and ensures improved long-term outcomes. In contrast to the 15 degree cone hex connection, other options describe different angles or types of connections that may not be utilized by the Nobel Biocare system. For example, the 10 degree cone connection and the 12 degree cone hex connection might be features of alternative implant systems but do not represent the characteristics of the Nobel Biocare implants. The mention of an 18 degree taper connection suggests a different design approach altogether, not aligned with the established specifications of Nobel Biocare implants. Understanding these connections is vital for dental professionals as it directly correlates with the implant's performance and longevity in clinical practice.

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://biohorizons.examzify.com>

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

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