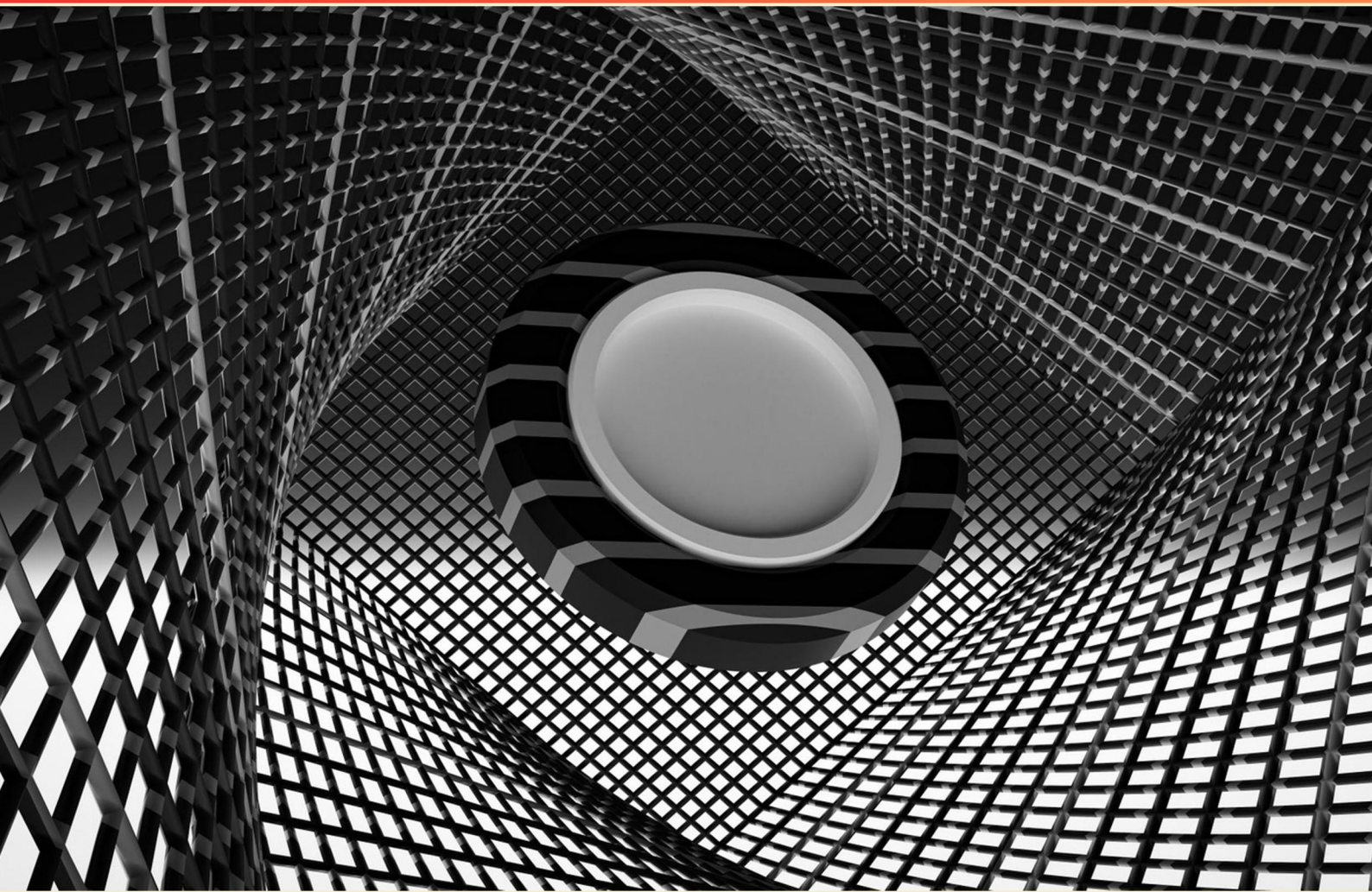


ITEC EMERGING TECH PRACTICE EXAM (SAMPLE)

STUDY GUIDE



**SAMPLE STUDY GUIDE
WITH LIMITED QUESTIONS**

**VISIT US ONLINE FOR
THE FULL VERSION STUDY GUIDE**

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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	16

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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. Canvus Connect collaboration software was developed by which company?

- A. TeamViewer
- B. MultiTaction
- C. Slack Technologies
- D. Zoom Video Communications

2. Who developed video-recording contact lenses that can blink?

- A. Samsung
- B. Sony
- C. Apple
- D. Oculus

3. What is crowdsourcing in the context of technology?

- A. Gathering data from a single expert
- B. Leveraging collective intelligence to solve problems
- C. Restricting input to a selected few individuals
- D. Creating solitary work environments

4. What is the name of the stretchable solution for multimodal sensing developed in VR research?

- A. lightguide
- B. photocatalyst
- C. sensor shell
- D. flexible conduit

5. Which item is also necessary to enter an Amazon Go store alongside a smartphone?

- A. An email account
- B. An Amazon account
- C. A credit card
- D. A referral code

- 6. Which company was founded by Elon Musk, known for its work in autonomous vehicles?**
- A. SpaceX
 - B. Tesla
 - C. Neuralink
 - D. SolarCity
- 7. Which device might utilize the Pluton chip, alongside Windows-based computers?**
- A. smartphones
 - B. smart refrigerators
 - C. gaming consoles
 - D. smartwatches
- 8. What is the design purpose of Intel's XE-HP GPU?**
- A. To enhance gaming performance
 - B. To support the Aurora supercomputer
 - C. To develop virtual reality applications
 - D. To improve mobile device processing
- 9. What is one potential application of nanorobots mentioned in the content?**
- A. Repairing mechanical tools
 - B. Monitoring for diseases
 - C. Building large structures
 - D. Cooking food
- 10. Which statement best describes the purpose of a digital twin?**
- A. To serve as a physical backup of a system
 - B. To monitor and analyze real-world performance of an object
 - C. To simplify manufacturing processes
 - D. To act as a replacement for the physical object

Answers

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

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Explanations

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1. Canvus Connect collaboration software was developed by which company?

- A. TeamViewer
- B. MultiTaction**
- C. Slack Technologies
- D. Zoom Video Communications

Canvus Connect collaboration software was developed by MultiTaction. This platform focuses on providing interactive and engaging ways for teams to collaborate, utilizing unique technologies that enable multiple users to interact simultaneously with shared content in a seamless environment. MultiTaction specializes in developing solutions that enhance collaboration and communication, particularly in settings that require robust interactivity, such as in meetings or collaborative projects. The other companies mentioned are well-known for their own collaboration and communication tools but do not relate directly to Canvus Connect. For example, TeamViewer is primarily recognized for remote access and control software, Slack Technologies is known for its messaging platform designed for team communication, and Zoom Video Communications specializes in video conferencing services. Each of these firms has its strengths, but the creation of Canvus Connect specifically ties back to the innovative focus of MultiTaction.

2. Who developed video-recording contact lenses that can blink?

- A. Samsung
- B. Sony**
- C. Apple
- D. Oculus

The development of video-recording contact lenses that can blink is attributed to Sony. This innovative technology is indicative of Sony's commitment to advancing consumer electronics and exploring new frontiers in wearable devices. By integrating recording capabilities into contact lenses, Sony has leveraged advancements in miniaturization and optoelectronics, creating a product that could revolutionize how users record and share their experiences. This alignment with technologies focused on enhanced interactivity and personal media capture showcases Sony's position at the forefront of innovation in the electronics industry. The concept of contact lenses that can capture video through a blink opens up new possibilities in areas such as augmented reality, smart technology, and personal media, and demonstrates the potential for integrating digital experiences directly into the human sensory apparatus. On the other hand, other companies listed in the options, like Samsung, Apple, and Oculus, while also known for their innovative approaches and contributions to technology, have not developed contact lenses with the specific functionality of video recording via blinking. Their focus tends to be on other types of wearable technology or augmented reality solutions, which further underscores Sony's unique achievement in this area.

3. What is crowdsourcing in the context of technology?

- A. Gathering data from a single expert
- B. Leveraging collective intelligence to solve problems**
- C. Restricting input to a selected few individuals
- D. Creating solitary work environments

Crowdsourcing in the context of technology refers to leveraging collective intelligence to solve problems. This approach harnesses the talents, skills, and insights of a large group of people, often through online platforms or communities, to gather diverse perspectives and innovative solutions. By tapping into the knowledge and creativity of a crowd, organizations can address challenges more effectively than relying solely on internal resources or a small number of experts. This method is particularly powerful in situations where a variety of viewpoints can lead to more comprehensive solutions, allowing for a greater breadth of ideas and quicker problem resolution. Examples of crowdsourcing include open innovation platforms, online surveys, and collaborative projects, where input from a wide audience is sought and valued. The other options do not align with the concept of crowdsourcing. Gathering data from a single expert limits the diversity of input, while restricting input to a selected few individuals undermines the very essence of engaging a broader community for problem-solving. Creating solitary work environments runs contrary to the collaborative nature that crowdsourcing embodies, which thrives on interaction and contributions from many individuals.

4. What is the name of the stretchable solution for multimodal sensing developed in VR research?

- A. lightguide**
- B. photocatalyst
- C. sensor shell
- D. flexible conduit

The term "lightguide" refers to a specific kind of optical device that is utilized to direct light from one point to another. In the context of VR research, a stretchable solution for multimodal sensing typically involves using lightguides to incorporate various light detection and manipulation features into a wearable or adaptable format. This allows for enhanced interaction with virtual environments, as it can accommodate the dynamic movements of users while providing responsive feedback based on light and environmental stimuli. In the case of multimodal sensing, which integrates different sensory modalities to provide a more comprehensive user experience, lightguides can play a crucial role by facilitating optical communication and the detection of visual data. This capability can be essential for applications requiring accurate tracking and environmental awareness in virtual reality scenarios.

5. Which item is also necessary to enter an Amazon Go store alongside a smartphone?

- A. An email account
- B. An Amazon account**
- C. A credit card
- D. A referral code

To enter an Amazon Go store, having an Amazon account is essential in addition to a smartphone. The Amazon Go shopping experience is designed around a seamless technology that integrates with customer accounts. When entering the store, shoppers must scan a QR code generated by their Amazon app, which is linked to their Amazon account. This account is pivotal because it allows the store to track purchases, and automatically charge the customer's preferred payment method on file within that account when they leave the store. Without an Amazon account, the technology that underpins the shopping experience wouldn't function correctly, as it relies on account-specific information to manage purchases and payments. Therefore, possessing an Amazon account is a necessary step to access and utilize the services offered at Amazon Go stores.

6. Which company was founded by Elon Musk, known for its work in autonomous vehicles?

- A. SpaceX
- B. Tesla**
- C. Neuralink
- D. SolarCity

Tesla is known for its significant advancements in the development of autonomous vehicles, reflecting Elon Musk's vision of sustainable transportation. Founded in 2003, Tesla has focused on electric vehicles and energy storage solutions, integrating cutting-edge technology such as artificial intelligence and machine learning to enhance its autopilot capabilities. The company is at the forefront of the electric vehicle industry and has made substantial investments in innovations that aim to make fully autonomous driving a reality. Through rigorous testing and continuous software updates, Tesla's vehicles are equipped with functions that gradually enable greater autonomy, marking substantial milestones in the field of self-driving technology. While SpaceX, Neuralink, and SolarCity are also innovative companies co-founded by Musk, they operate in different sectors—space exploration, brain-computer interfaces, and solar energy, respectively—without the direct focus on autonomous vehicles that Tesla maintains.

7. Which device might utilize the Pluton chip, alongside Windows-based computers?

- A. smartphones
- B. smart refrigerators
- C. gaming consoles**
- D. smartwatches

The Pluton chip is designed to enhance security by integrating certain functionalities directly into hardware, thereby offering improved protection against a range of threats. This chip can be particularly beneficial in gaming consoles due to the high value of user data and the need for secure digital transactions and communications. Gaming consoles often handle sensitive information, such as payment details and personal identifiers, making hardware-level security essential for protecting against hacking and unauthorized access. Furthermore, as gaming continues to evolve, there is a growing emphasis on providing a secure ecosystem for online gaming, in-game purchases, and digital content delivery, all of which can be significantly protected through the use of a dedicated security chip like Pluton. While smartphones, smart refrigerators, and smartwatches can also utilize advanced security technologies, the context of the use of Pluton chip especially aligns with gaming consoles that require a robust security infrastructure to safeguard user interactions and data.

8. What is the design purpose of Intel's XE-HP GPU?

- A. To enhance gaming performance
- B. To support the Aurora supercomputer**
- C. To develop virtual reality applications
- D. To improve mobile device processing

The design purpose of Intel's XE-HP GPU is primarily focused on supporting high-performance computing applications, specifically those utilized in environments like the Aurora supercomputer. This GPU architecture is engineered to deliver substantial computational power and efficiency, making it suitable for demanding tasks such as scientific simulations, artificial intelligence, and data analytics. By targeting supercomputing applications, the XE-HP GPU incorporates advanced features that can take advantage of parallel processing capabilities. This is essential for systems like the Aurora supercomputer, which aims to achieve exascale computing performance. The XE-HP architecture includes optimizations for both heavy computational workloads and effective data handling, ensuring that it meets the rigorous demands of modern high-performance computing tasks. While other options might focus on gaming, virtual reality, or mobile processing, those areas do not align with the primary objectives set for the XE-HP architecture. The design and specifications of this GPU are tailored more towards maximizing throughput and efficiency in high-performance environments rather than gaming enhancements or mobile applications.

9. What is one potential application of nanorobots mentioned in the content?

- A. Repairing mechanical tools
- B. Monitoring for diseases**
- C. Building large structures
- D. Cooking food

Monitoring for diseases is a significant application of nanorobots. These microscopic robots can navigate through the human body at a cellular level, allowing them to detect diseases early and accurately. By utilizing their ability to interact with specific biological markers, nanorobots can identify and target cancerous cells or other unhealthy conditions before they become more severe, leading to timely interventions. This capability is particularly transformative in healthcare, as it not only increases the precision of diagnostics but also enhances the effectiveness of treatment by enabling targeted therapy. The potential for nanorobots to deliver drugs directly to affected areas in the body further exemplifies their utility in disease monitoring and management. In contrast, the other options involve applications that do not align with the unique capabilities and functions of nanorobots.

10. Which statement best describes the purpose of a digital twin?

- A. To serve as a physical backup of a system
- B. To monitor and analyze real-world performance of an object**
- C. To simplify manufacturing processes
- D. To act as a replacement for the physical object

A digital twin is a virtual representation of a physical object or system that serves the purpose of monitoring, analyzing, and optimizing its real-world performance. By creating this digital counterpart, organizations can simulate various scenarios, track performance metrics in real time, and gain insights that lead to informed decision-making. This capability is particularly valuable in industries such as manufacturing, healthcare, and urban planning, where understanding the behavior of complex systems is crucial. The focus of a digital twin is on the continuous data exchange between the physical and digital worlds, allowing for proactive management and maintenance of physical assets. This leads to improved efficiency, reduced downtime, and enhanced product quality. Therefore, the selection of the second option accurately captures the essence of what a digital twin achieves in 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://itecemergingtech.examzify.com>

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

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