

COMPTIA ITF+ 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 primary goal of a cybersecurity policy?

- A. To define the rules and procedures regarding sensitive data management and protection
- B. To establish a budget for the IT department
- C. To train employees on software usage
- D. To enhance customer service

2. What is the role of an operating system?

- A. To manage computer hardware and software resources
- B. To enhance the visual design of applications
- C. To store vast amounts of data securely
- D. To provide internet connectivity

3. What type of software is used to browse the internet?

- A. Operating System
- B. Web Browser
- C. Utility Software
- D. Game Software

4. What is the primary purpose of IT governance?

- A. To increase technology spending
- B. To ensure IT supports business objectives
- C. To create new technology products
- D. To manage user accounts

5. Which device connects multiple computers on a network?

- A. Router
- B. Switch
- C. Modem
- D. Server

6. What is the purpose of backup systems?

- A. To improve system performance
- B. To create copies of data to prevent loss
- C. To enhance user experience
- D. To delete unnecessary files

- 7. Which of the following is a type of software that allows users to perform tasks on a computer?**
- A. Operating system
 - B. Application software
 - C. Firmware
 - D. Malware
- 8. What is the primary function of a database?**
- A. To provide internet access
 - B. To store, manage, and retrieve data
 - C. To perform calculations
 - D. To display multimedia content
- 9. What is a common form of cyberattack where an attacker attempts to make a network service unavailable?**
- A. Phishing attack
 - B. Malware attack
 - C. Denial-of-Service (DoS) attack
 - D. Man-in-the-middle attack
- 10. What is the primary function of RAM in a computer?**
- A. To store data permanently
 - B. To temporarily store data that is actively being used or processed
 - C. To manage input and output devices
 - D. To provide power to the computer

Answers

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

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Explanations

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1. What is the primary goal of a cybersecurity policy?

- A. To define the rules and procedures regarding sensitive data management and protection**
- B. To establish a budget for the IT department
- C. To train employees on software usage
- D. To enhance customer service

The primary goal of a cybersecurity policy is to define the rules and procedures regarding sensitive data management and protection. This ensures that an organization has a clear framework in place to safeguard its data against various threats, such as unauthorized access, data breaches, and other cyber risks. A well-defined cybersecurity policy is essential for establishing guidelines that govern how sensitive information is handled, shared, and stored. This includes specifying roles and responsibilities for staff, outlining acceptable use of technology, and detailing incident response procedures in the event of a security breach. In creating a culture of cybersecurity awareness, such policies help equip employees with the knowledge to protect data and respond to security threats. They create accountability and establish expectations for behavior regarding data integrity and security across the organization.

2. What is the role of an operating system?

- A. To manage computer hardware and software resources**
- B. To enhance the visual design of applications
- C. To store vast amounts of data securely
- D. To provide internet connectivity

The role of an operating system is to manage the computer's hardware and software resources effectively. It serves as an intermediary between users and the computer hardware, facilitating the execution of programs by allocating resources such as CPU time, memory space, and storage access. By managing these resources, the operating system ensures that various applications can run simultaneously and efficiently without interference or conflicts. While enhancing the visual design of applications, storing data securely, and providing internet connectivity are important functions within the field of computing, they are not the primary responsibilities of an operating system. The operating system is fundamentally concerned with resource management, process scheduling, file management, and device coordination, all of which are essential for the overall functionality and performance of a computer system.

3. What type of software is used to browse the internet?

- A. Operating System
- B. Web Browser**
- C. Utility Software
- D. Game Software

A web browser is specifically designed to access, retrieve, and display information from the internet. It serves as the interface through which users interact with web pages, allowing them to navigate to different websites, view content, and perform online activities such as searching for information and filling out forms. Web browsers provide essential features like tabbed browsing, bookmarks, and extensions that enhance the user experience while browsing the internet. They support various web technologies like HTML, CSS, and JavaScript, enabling users to access rich, interactive content. While operating systems manage hardware and software resources on computers, and utility software provides tools for maintenance and optimization, neither serves the primary purpose of accessing the internet. Game software, on the other hand, is focused on entertainment and does not facilitate browsing activities. Thus, the web browser is the clear choice for internet browsing.

4. What is the primary purpose of IT governance?

- A. To increase technology spending
- B. To ensure IT supports business objectives**
- C. To create new technology products
- D. To manage user accounts

The primary purpose of IT governance is to ensure that IT supports and aligns with the business objectives of an organization. This involves establishing frameworks and processes that guide how IT is managed and utilized within the organization to meet both short-term and long-term goals. Effective IT governance ensures that resources are allocated efficiently and risks are managed appropriately, ultimately leading to improved value delivery from IT investments. By aligning IT strategies with business goals, organizations can enhance their performance, ensure compliance with regulations, and promote accountability within their IT departments. This alignment also fosters better communication between management and IT professionals, ensuring that technology initiatives directly contribute to overall business success.

5. Which device connects multiple computers on a network?

- A. Router
- B. Switch**
- C. Modem
- D. Server

A switch is specifically designed to connect multiple computers within a local area network (LAN). It operates at the data link layer of the OSI model, functioning by receiving incoming data packets from connected devices and forwarding them to the appropriate destination devices based on their MAC addresses. This allows for efficient communication between devices in the same network, enabling data transfer and collaboration. In contrast, a router connects different networks together, directing data between them, but it does not specifically connect multiple computers within the same local network. A modem serves as a bridge between your local network and the internet, converting analog signals to digital and vice versa. A server provides services or resources to other computers on a network but does not directly connect them in the way a switch does. Thus, in the context of connecting multiple computers on a network, a switch is the most appropriate device.

6. What is the purpose of backup systems?

- A. To improve system performance
- B. To create copies of data to prevent loss**
- C. To enhance user experience
- D. To delete unnecessary files

The primary purpose of backup systems is to create copies of data to prevent loss. Backups are essential for data recovery in situations such as hardware failures, accidental deletions, cyberattacks, or natural disasters. By maintaining backup copies of important data, organizations and individuals can restore information to its previous state, ensuring continuity and minimizing downtime. This practice is critical for data management and is a fundamental aspect of data protection strategies. The act of backing up data serves to safeguard against data loss that could otherwise have severe repercussions for both personal and business operations.

7. Which of the following is a type of software that allows users to perform tasks on a computer?

- A. Operating system
- B. Application software**
- C. Firmware
- D. Malware

Application software is designed specifically to help users perform tasks on a computer. This type of software includes programs like word processors, spreadsheets, and web browsers, enabling users to accomplish a wide range of activities such as document creation, data manipulation, and internet navigation. In contrast, operating systems serve as a backbone for the hardware, managing system resources and providing an environment where application software can run but do not perform specific user-driven tasks themselves. Firmware, on the other hand, is a type of software that provides low-level control for a device's specific hardware and is not typically user-facing. Malware is malicious software intended to harm or exploit systems, rather than helping users with legitimate tasks. Thus, the distinctive focus of application software on user tasks makes it the correct answer in this context.

8. What is the primary function of a database?

- A. To provide internet access
- B. To store, manage, and retrieve data**
- C. To perform calculations
- D. To display multimedia content

The primary function of a database is to store, manage, and retrieve data. Databases are designed specifically to handle large volumes of structured information, allowing users to efficiently organize, access, and manipulate that data. This capability is essential for many applications, ranging from managing customer information in a business to tracking inventory or storing research data. A database system offers functionalities like data entry, querying, updating, and reporting, thus streamlining the process of managing data over time. Unlike simply storing data in files, a database allows for relationships between different data items, supports data integrity, and enables complex searches and transactions. In contrast, options that suggest providing internet access, performing calculations, or displaying multimedia content either describe functions of other types of software or systems that may interact with databases but do not encapsulate the core purpose of a database itself. Therefore, the answer that focuses specifically on the storage, management, and retrieval of data accurately defines the essential role of a database.

9. What is a common form of cyberattack where an attacker attempts to make a network service unavailable?

- A. Phishing attack
- B. Malware attack
- C. Denial-of-Service (DoS) attack**
- D. Man-in-the-middle attack

A Denial-of-Service (DoS) attack is a common form of cyberattack in which an attacker seeks to make a network service unavailable to its intended users. This is typically achieved by overwhelming the targeted service with a flood of illegitimate requests, exceeding the server's capacity to handle them. As a result, legitimate users are unable to access the service, leading to downtime and potential loss of revenue or reputation for the affected organization. In the context of cybersecurity, the main goal of a DoS attack is disruption. Attackers may use various methods, such as sending excessive data packets or exploiting vulnerabilities in software, to achieve their aim. This type of attack does not directly involve stealing data, which differentiates it from other attack types like phishing or malware. Instead, it focuses solely on service interruption. Understanding how a DoS attack operates highlights the importance of network security measures and response strategies to mitigate the risk and impact of such attacks.

10. What is the primary function of RAM in a computer?

- A. To store data permanently
- B. To temporarily store data that is actively being used or processed**
- C. To manage input and output devices
- D. To provide power to the computer

The primary function of RAM (Random Access Memory) in a computer is to temporarily store data that is actively being used or processed. RAM serves as a fast and short-term memory space where the operating system, applications, and data currently in use can be quickly accessed by the CPU. This allows for efficient data retrieval and manipulation, significantly improving the overall performance of the computer. When you open a program or file, it gets loaded from the hard drive into RAM, because accessing data stored in RAM is much quicker than accessing data on a traditional hard disk drive (HDD) or even a solid-state drive (SSD). Once the program is closed or the computer is turned off, the data in RAM is lost, which is why it is considered volatile memory. This functionality is crucial for multitasking and running applications smoothly without delays. In contrast, other options describe functions that do not align with the specific role of RAM. For instance, storing data permanently pertains more to storage devices like hard drives or SSDs, managing input and output devices relates to the operating system and device drivers, and providing power to the computer falls under the functions of the power supply unit. These distinctions highlight why the role of RAM is clearly focused on temporary data storage for active processing.

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://itf.examzify.com>

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

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