

COMPTIA A+ PRACTICE EXAM (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. During which step of the CompTIA troubleshooting method do you test the theory to determine the cause of the problem?**
 - A. Step 1
 - B. Step 2
 - C. Step 3
 - D. Step 4

- 2. What is the storage capacity of a single-sided DVD?**
 - A. 4.7GB
 - B. 8.5GB
 - C. 9.4GB
 - D. 17GB

- 3. Which DOS command lists directories in reverse date order with files grouped separately?**
 - A. Dir /og-d
 - B. Dir /x
 - C. Dir /s
 - D. Set Dircmd=/on /w

- 4. What is the server level AMD processor?**
 - A. Opteron
 - B. Ryzen
 - C. Athlon
 - D. Sempron

- 5. Which are the two ways to resolve computer names to IP addresses?**
 - A. DNS and HOSTS file
 - B. WINS and LMHOSTS file
 - C. HOSTS file and WINS
 - D. DNS and WINS

6. What special requirements are needed for installing Windows 8?

- A. Access to Microsoft Office and resolution of 1280x720
- B. Access to windows store and resolution of 1024x768
- C. Internet Explorer 10 and resolution of 1024x768
- D. Access to Microsoft Edge and resolution of 800x600

7. What is the speed of SATA 2?

- A. 1.5Gbps or 150MBps
- B. 3Gbps or 300MBps
- C. 6Gbps or 600MBps
- D. 16Gbps or 1969MBps

8. RAID 10 or 1+0 is best described as?

- A. Mirroring without parity
- B. Spanning across drives
- C. Stripe of mirrors
- D. Block-level striping with parity

9. How many devices can exist in a SCSI chain?

- A. 7 devices
- B. 8 devices
- C. 5 devices
- D. 10 devices

10. Which socket type is used for i7 processors in servers/high end systems?

- A. Socket H
- B. Socket R
- C. Socket AM2+
- D. Socket B

Answers

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

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Explanations

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1. During which step of the CompTIA troubleshooting method do you test the theory to determine the cause of the problem?

- A. Step 1
- B. Step 2
- C. Step 3**
- D. Step 4

Step 1 is to identify the problem and Step 2 is to establish a theory of probable cause based on the symptoms observed. Step 3 is when you test the theory by using the appropriate tools and techniques to determine the cause of the problem. Finally, in Step 4, you create an action plan to resolve the problem. Therefore, the correct answer is C. In contrast, A, B, and D are incorrect because they do not involve testing the theory to determine the cause of the problem.

2. What is the storage capacity of a single-sided DVD?

- A. 4.7GB**
- B. 8.5GB
- C. 9.4GB
- D. 17GB

A single-sided DVD has a maximum storage capacity of 4.7GB. This is because it only has one layer of data storage on one side. Option B, 8.5GB, is incorrect because that is the capacity of a dual-layer single-sided DVD, which has two layers of data storage but still on one side. Option C, 9.4GB, is incorrect because that is the capacity of a single-sided DVD with dual-layers on BOTH sides. Option D, 17GB, is incorrect because it is the capacity of a dual-sided DVD, which can store data on both sides of the disc. Therefore, option A, 4.7GB, is the correct and most accurate answer for the storage capacity of a single-sided DVD.

3. Which DOS command lists directories in reverse date order with files grouped separately?

- A. Dir /og-d**
- B. Dir /x
- C. Dir /s
- D. Set DirCmd=/on /w

This is because the "/o" flag in the "Dir" command allows for sorting based on specific criteria, with "g" representing grouping of files and "-" representing the reverse order. "d" specifies the sorting criteria of date. Option B, "/x" is incorrect as it displays directory or file short names, not the sorting of directories in reverse date order. Option C, "/s" lists all directories and subdirectories in the specified location, regardless of the sorting order. Option D, "Set DirCmd=/on /w" changes the default sorting to be in alphabetical order by name, not by date or grouping.

4. What is the server level AMD processor?

- A. Opteron**
- B. Ryzen
- C. Athlon
- D. Sempron

An AMD Opteron processor is considered a server level processor because it is designed to handle large amounts of data and perform well for tasks requiring high levels of processing power. This sets it apart from the other options, as they are all better suited for desktop or everyday use. Ryzen, Athlon, and Sempron processors are more cost-effective and suitable for personal computers, while the Opteron is optimized for server workloads and data centers. While the other options may not be incorrect as standalone processors, they are not specifically designed for server-level tasks. Therefore, they are not the best choice as a server-level AMD processor compared to the Opteron.

5. Which are the two ways to resolve computer names to IP addresses?

- A. DNS and HOSTS file
- B. WINS and LMHOSTS file**
- C. HOSTS file and WINS
- D. DNS and WINS

Both options A and C are incorrect because they list one correct and one incorrect way to resolve computer names to IP addresses. The HOSTS file is used to resolve computer names to IP addresses for small networks, but it cannot be used for larger networks. WINS is used for resolving computer names to IP addresses in Windows environments, but it does not work for other operating systems. Therefore, the correct answer is B, as it includes both WINS and the LMHOSTS file.

6. What special requirements are needed for installing Windows 8?

- A. Access to Microsoft Office and resolution of 1280x720
- B. Access to windows store and resolution of 1024x768**
- C. Internet Explorer 10 and resolution of 1024x768
- D. Access to Microsoft Edge and resolution of 800x600

For installing Windows 8, one of the critical requirements is access to the Windows Store, which allows users to download apps and updates directly from Microsoft. Additionally, the screen resolution must be at least 1024x768, which is necessary to ensure that the user interface displays properly and that apps can run effectively without display issues. Having a minimum resolution of 1024x768 ensures a good balance between usability and resource management, which is essential for a satisfactory user experience. The other options do not meet the specific needs set forth by Windows 8. For instance, Microsoft Office is not a requirement for installing the operating system, nor is Internet Explorer 10, as the operating system operates independently of these applications. Access to Microsoft Edge and a resolution of 800x600 do not meet the minimum resolution criteria essential for Windows 8 usability, which reaffirms the significance of having the correct screen resolution for a functional installation.

7. What is the speed of SATA 2?

- A. 1.5Gbps or 150MBps
- B. 3Gbps or 300MBps**
- C. 6Gbps or 600MBps
- D. 16Gbps or 1969MBps

SATA 2 (Serial ATA 2) has a maximum speed of 3Gbps or 300MBps. This is because SATA 2 uses a 3Gb/s signaling rate, which translates to 300MB/s transfer rate. The other options are not correct because they do not match the signaling rate used by SATA 2. Option A refers to SATA 1, which has a signaling rate of 1.5Gb/s. Option C refers to SATA 3, which has a signaling rate of 6Gb/s. Option D is incorrect as SATA 2 does not have a signaling rate of 16Gb/s.

8. RAID 10 or 1+0 is best described as?

- A. Mirroring without parity
- B. Spanning across drives
- C. Stripe of mirrors**
- D. Block-level striping with parity

RAID 10, also known as RAID 1+0, is best described as a "stripe of mirrors." This configuration combines the benefits of both mirroring and striping to provide enhanced redundancy and performance. In RAID 10, data is first mirrored between pairs of drives, ensuring redundancy. This means that if one drive fails within a mirrored pair, the system can continue to operate using the other drive. After this mirroring, the data is striped across these pairs, which improves access speeds as data is read from or written to multiple drives simultaneously. This arrangement provides the fault tolerance of mirroring alongside the performance benefits of striping. Other options describe different RAID configurations: mirroring without parity refers to a standard RAID 1 setup, spanning across drives does not imply either mirroring or striping but instead indicates a method of combining capacity of multiple drives, and block-level striping with parity is characteristic of RAID 5 or RAID 6, which uses parity information to provide fault tolerance but does not involve the mirroring that RAID 10 relies upon.

9. How many devices can exist in a SCSI chain?

- A. 7 devices
- B. 8 devices**
- C. 5 devices
- D. 10 devices

In a SCSI (Small Computer System Interface) chain, up to 8 devices can be connected. This includes one SCSI host adapter (usually integrated into a computer or server) and up to 7 additional devices such as hard drives, CD-ROMs, or scanners. Each device in the SCSI chain is assigned a unique ID ranging from 0 to 7. SCSI's ability to connect multiple devices makes it particularly useful in environments where a variety of peripherals need to be managed by a single host. As the standard evolved, some SCSI variants allowed for even more devices, but the basic SCSI setup allows specifically 8 devices, confirming the answer.

10. Which socket type is used for i7 processors in servers/high end systems?

- A. Socket H
- B. Socket R**
- C. Socket AM2+
- D. Socket B

The Socket H is not used for i7 processors, it is typically used for Intel Core 2 Quad and other quad core processors. Socket AM2+ is used for AMD processors and not compatible with i7 processors. Lastly, Socket B is used for Intel Xeon processors and not necessarily limited to i7 processors. Socket R is the correct answer as it is specifically designed for i7 processors in servers and high-end systems, providing improved performance and scalability.

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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://comptia-aplus.examzify.com>

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

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