

# WJEC Digital Technology Practice Test (Sample)

## Study Guide



**Everything you need from our exam experts!**

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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 part of post-disaster recovery?**
  - A. Use backups to populate computer systems.**
  - B. Discard backups.**
  - C. Install software on damaged hardware only.**
  - D. Ignore policies and improvement.**
  
- 2. Which statement describes a Command Line Interface?**
  - A. Graphical interface with icons and windows.**
  - B. Voice-based assistant.**
  - C. Direct hardware control panel.**
  - D. Entirely text-based interface that allows a user to communicate with a computer system by typing in commands.**
  
- 3. What is the role of a bridge in a network?**
  - A. Routes traffic between different networks**
  - B. Encrypts data transmitted over the network**
  - C. Connects two networks that use the same base protocols**
  - D. Assigns IP addresses to devices on a network**
  
- 4. Which solid-state storage device is commonly used for storing photos from digital cameras?**
  - A. USB flash drive**
  - B. Cloud storage**
  - C. SD card**
  - D. SSD**
  
- 5. In C2C, what is a typical advantage?**
  - A. No need to create a website**
  - B. High startup costs**
  - C. Need to maintain a payment methods**
  - D. Complex branding requirements**

- 6. Which of the following is predicted as a societal impact of autonomous vehicles?**
- A. Travel times reduced**
  - B. All of the above**
  - C. Empowered non-drivers**
  - D. Improved access for lower income**
- 7. Which of the following is an example of a home streaming application for video?**
- A. Spotify**
  - B. Soundcloud**
  - C. Amazon Music**
  - D. iPlayer**
- 8. Which statement describes a cost-related advantage of the big bang method?**
- A. it can be cheaper to implement than other methods**
  - B. the new system is available immediately**
  - C. the new system may not work at its best until staff have become used to using it**
  - D. the outputs from old and new system can be compared**
- 9. Which of the following is an optical storage medium?**
- A. USB flash drive**
  - B. CD/DVD/Blu-Ray**
  - C. Magnetic tape**
  - D. SSD**
- 10. Why is backing up important?**
- A. To prevent or reduce data loss**
  - B. To prevent hardware failures**
  - C. To increase processing power**
  - D. To reduce network traffic**

## Answers

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

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## **Explanations**

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## 1. What is part of post-disaster recovery?

- A. Use backups to populate computer systems.**
- B. Discard backups.**
- C. Install software on damaged hardware only.**
- D. Ignore policies and improvement.**

Post-disaster recovery centers on restoring data and IT services after an outage. Using backups to populate computer systems is essential because it allows you to restore files, databases, and configurations to a known good state, helping systems come back online quickly and with accurate data. This minimizes downtime and data loss, which is the primary goal after a disaster. The other options don't support that goal: discarding backups removes a crucial safety net, installing software on damaged hardware alone doesn't address data recovery or system integrity, and ignoring policies and improvement undermines structured recovery and future resilience.

## 2. Which statement describes a Command Line Interface?

- A. Graphical interface with icons and windows.**
- B. Voice-based assistant.**
- C. Direct hardware control panel.**
- D. Entirely text-based interface that allows a user to communicate with a computer system by typing in commands.**

A Command Line Interface is an entirely text-based way to interact with a computer by typing commands at a prompt. You don't use icons or windows; instead, you enter text commands and the system responds with text. This style is common for tasks like file navigation, program execution, and automation through scripts, because commands can be combined and reused easily. The other descriptions fit different ways humans interact with computers: a graphical interface uses icons and windows, a voice-based assistant relies on spoken language, and a hardware control panel refers to physical controls rather than a software-driven text interface.

## 3. What is the role of a bridge in a network?

- A. Routes traffic between different networks**
- B. Encrypts data transmitted over the network**
- C. Connects two networks that use the same base protocols**
- D. Assigns IP addresses to devices on a network**

A bridge operates at the data link layer and is used to connect two network segments that use the same protocol, such as Ethernet. It listens to frames from one side, looks at the MAC addresses, and decides whether to forward the frame to the other segment or keep it local. This helps two LANs act as a single larger network while keeping traffic reasonable by not sending every frame everywhere. It doesn't route between networks with different addressing schemes—that job is for a router. It also doesn't encrypt data or assign IP addresses; those tasks are handled by encryption methods and by DHCP or manual configuration, respectively.

**4. Which solid-state storage device is commonly used for storing photos from digital cameras?**

- A. USB flash drive**
- B. Cloud storage**
- C. SD card**
- D. SSD**

The idea being tested is which storage medium cameras typically use to save photos. Digital cameras are designed to write images to removable solid-state memory that fits inside the camera slot, and the standard choice for this is an SD card. It's small, durable, and widely supported across almost all camera models, making it easy to swap cards when you run out of space. This direct in-camera storage keeps you shooting without needing a computer or internet connection right away. While USB flash drives can transfer pictures or cloud storage can back them up, they're not the usual built-in storage in cameras, and SSDs are larger drives used in computers or external devices, not the common card you insert into a camera.

**5. In C2C, what is a typical advantage?**

- A. No need to create a website**
- B. High startup costs**
- C. Need to maintain a payment methods**
- D. Complex branding requirements**

In C2C, the main benefit is that you don't have to build and run your own website to sell. The marketplace provides the platform for listing items, hosting, and often handles payment processing and buyer-seller communication. That drastically lowers the start-up effort and costs, since you're using an existing site rather than creating and maintaining a standalone online store. The other points describe tasks or burdens that would come with running your own site or a more complex business, which aren't advantages in this setup.

**6. Which of the following is predicted as a societal impact of autonomous vehicles?**

- A. Travel times reduced**
- B. All of the above**
- C. Empowered non-drivers**
- D. Improved access for lower income**

Autonomous vehicles are predicted to bring broad societal changes beyond individual trips. Travel times could be reduced through more efficient routing, steady speeds, and better traffic management enabled by connected data, which smooths flows and minimizes human-caused delays. They also empower people who cannot drive—such as the elderly or disabled—by providing reliable door-to-door mobility without the need to drive themselves. Additionally, there's potential for improved access for lower-income groups, since shared autonomous services can lower the cost and barriers of mobility where owning a car is expensive. Because all three effects are commonly discussed as outcomes of autonomous vehicle adoption, choosing the option that includes all of them best captures the predicted societal impact.

**7. Which of the following is an example of a home streaming application for video?**

- A. Spotify**
- B. Soundcloud**
- C. Amazon Music**
- D. iPlayer**

You're looking for a service that streams video content over the internet to devices at home. The key idea is video versus audio. iPlayer streams video—you can watch TV shows, films, and other video content on demand or live, on devices around the home. The other services are all about audio: Spotify streams music tracks, SoundCloud focuses on music and audio clips, and Amazon Music is a music streaming service. Since this item asks for a video streaming home app, iPlayer is the best fit because it delivers video content.

**8. Which statement describes a cost-related advantage of the big bang method?**

- A. it can be cheaper to implement than other methods**
- B. the new system is available immediately**
- C. the new system may not work at its best until staff have become used to using it**
- D. the outputs from old and new system can be compared**

The big bang approach replaces the old system with the new one in a single, all-at-once switch. Its cost-related advantage comes from not having to run two systems in parallel during the transition. That means you avoid the ongoing, duplicate costs of maintaining and integrating both systems, along with duplicated data conversion and extended project management overhead. You incur the cost of the new system once, which can make the overall implementation cheaper than methods that roll the change out in stages. The other statements describe speed, user adjustment, or validation—factors that relate to time-to-benefit or quality, not the cost advantage.

**9. Which of the following is an optical storage medium?**

- A. USB flash drive**
- B. CD/DVD/Blu-Ray**
- C. Magnetic tape**
- D. SSD**

Optical storage uses light to read and write data on a disc. Data are encoded as tiny pits and lands on the surface, and a laser reads these patterns as the disc spins. CD, DVD, and Blu-ray are classic examples, which is why this option fits as the optical medium. The USB flash drive and SSD store data in flash memory and are read electrically rather than optically, while magnetic tape uses magnetic fields read by heads. So they aren't optical storage.

## 10. Why is backing up important?

- A. To prevent or reduce data loss
- B. To prevent hardware failures**
- C. To increase processing power
- D. To reduce network traffic

Backing up data means making extra copies of important files so you can recover them if something goes wrong. Data loss can happen in many ways—hardware failures, accidental deletion, file corruption, malware, or disasters. A backup gives you a restore point, so you can recover the original data and get back to work with minimal downtime and loss. Backups don't stop hardware from failing, but they reduce the impact by letting you restore data after a failure. Good practice includes multiple copies, on different media, with at least one copy stored off-site or in the cloud, and regularly testing that you can restore successfully.

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

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

**<https://wjecdigitaltech.examzify.com>**

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

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