WJEC DIGITAL TECHNOLOGY PRACTICE TEST (SAMPLE)

STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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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 15

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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.

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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!

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Questions

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1. What is the relationship between image quality and the number of pixels in a digital image?

A. Quality is directly related to the number of pixels

B. Quality is independent of pixel count

C. Higher pixel count reduces image quality

D. Pixel count only affects color depth

2. What does B2C stand for?

A. Businesses selling services and products to consumers

B. Consumer to consumer selling

C. Business to consumer sells wholesale

D. Customer to business model

3. Which statement best describes blogs?

A. They are quick to set up and easy to update

B. They always require advanced programming skills

C. They are never biased

D. They are used only for corporate announcements

4. Which statement describes streaming of moving image files?

A. The file is processed and viewed before it is completely downloaded

B. The video is downloaded in the background and plays before the whole file is downloaded

C. The video can only be viewed after the full file is downloaded

D. Streaming requires no buffering

5. Which statement best describes Bluetooth?

A. Bluetooth is a wired networking standard

B. Bluetooth operates over long distances

C. Bluetooth is a wireless communication standard

D. Bluetooth uses fibre optic cables

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6. Which of the following is an advantage of augmented reality (AR) as a means of interaction with digital devices?

A. Able to try items before buying.

B. It provides perfect realism in all scenarios.

C. It eliminates the need for devices.

D. It has no safety concerns.

7. Which security measure alerts technical staff if there is interference with the system?

A. Firewall

B. Intrusion detection system

C. Data backup

D. User training

8. Which of the following is an advantage of virtual reality (VR) as an interaction method?

A. User can feel immersed in a virtual world

B. Some VR software is not very realistic

C. Not suited to people with motion sickness

D. Requires no hardware

9. Which statement best defines a management information system (MIS)?

A. A collection of hardware and software.

B. A collection of hardware and software.

C. A storage facility for inventory data only.

D. A tool for automating pricing.

10. Which device is commonly used for moving relatively small files from work to home?

A. SD card

B. Cloud drive

C. HDD

D. USB flash drive

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Answers

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

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Explanations

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1. What is the relationship between image quality and the number of pixels in a digital image?

A. Quality is directly related to the number of pixels

B. Quality is independent of pixel count

C. Higher pixel count reduces image quality

D. Pixel count only affects color depth

The amount of detail in a digital image is determined by how many pixels it has. More pixels give a higher spatial resolution, which means finer details and smoother edges when the image is viewed at its intended size. So, increasing pixel count generally improves how sharp and clear the image appears, up to the limits of the display or print medium and any compression that's applied. This is why higher-resolution images often look better than lower-resolution ones when shown at the same size. The idea that image quality is independent of pixel count isn't accurate, and saying that more pixels reduce quality isn't correct either. Pixel count isn't the same thing as color depth (which is about how many colors per pixel can be shown); it mainly affects the amount of detail, not the color information per pixel.

2. What does B2C stand for?

A. Businesses selling services and products to consumers

B. Consumer to consumer selling

C. Business to consumer sells wholesale

D. Customer to business model

B2C stands for business-to-consumer. It describes transactions where a company sells goods or services directly to individual customers, not to other businesses. This is common in retail and online shopping, like a store selling to shoppers. It's different from B2B, where businesses sell to other businesses, and from C2C, where individuals sell to other individuals. It's not about wholesale; wholesale usually involves selling in bulk to retailers or distributors. The phrase in the option captures the idea: businesses selling to consumers.

3. Which statement best describes blogs?

A. They are quick to set up and easy to update

B. They always require advanced programming skills

C. They are never biased

D. They are used only for corporate announcements

Blogs are designed to be quick to set up and easy to update. Most blogging platforms offer templates and hosting so you can start without coding and publish new posts or edit old ones with just a few clicks. This simplicity is what makes blogs accessible to many users and useful for sharing thoughts, news, tutorials, or updates. The idea that you must have advanced programming skills isn't accurate for typical blogs, and blogs can reflect bias just like any information source. They're used for a wide range of purposes, not only for corporate announcements.

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4. Which statement describes streaming of moving image files?

A. The file is processed and viewed before it is completely downloaded

B. The video is downloaded in the background and plays before the whole file is downloaded

C. The video can only be viewed after the full file is downloaded

D. Streaming requires no buffering

Streaming moves data over a network in small chunks so playback can begin before the full file arrives. The reason this option is the best is that it captures how streaming works: the video is downloaded in the background in pieces, and playback starts before the entire file is downloaded, continuing as more data arrives. This contrasts with needing to wait until the whole file is downloaded before viewing. Also, streaming typically uses buffering to smooth playback, so the idea that no buffering is required isn't accurate.

5. Which statement best describes Bluetooth?

A. Bluetooth is a wired networking standard

B. Bluetooth operates over long distances

C. Bluetooth is a wireless communication standard

D. Bluetooth uses fibre optic cables

Bluetooth is a wireless communication standard used to connect devices over short distances. It uses radio waves instead of cables, making it suitable for creating small personal area networks like headphones connecting to phones or speakers to laptops. It operates in the 2.4 GHz spectrum and is designed for low power consumption, which fits close-range, everyday connections. It isn't meant for long-distance links, so it wouldn't be described as a system for long-range communication. It also doesn't rely on fibre optic cables, which carry data as light in glass or plastic fibers. So the strongest description is that Bluetooth is a wireless communication standard.

6. Which of the following is an advantage of augmented reality (AR) as a means of interaction with digital devices?

A. Able to try items before buying.

B. It provides perfect realism in all scenarios.

C. It eliminates the need for devices.

D. It has no safety concerns.

Augmented reality blends digital content with the real world, so you can see how something would actually look or fit in your own space when you view it through a device. This is especially helpful for shopping: you can virtually try items—like furniture in a room or accessories on yourself—before buying, which helps you judge size, style, and how well it matches your environment. That ability to visualize in context makes AR a strong advantage for making informed choices and can reduce returns. The other statements aren't as accurate: AR isn't perfect realism in all situations, it still relies on a device, and there are safety and privacy considerations to keep in mind.

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7. Which security measure alerts technical staff if there is interference with the system?

A. Firewall

B. Intrusion detection system

C. Data backup

D. User training

An intrusion detection system is designed to watch for unusual or unauthorized activity and immediately raise alerts to technical staff. By continually monitoring network traffic and system behavior for patterns that look suspicious or match known attack signatures, it can notify admins as soon as interference is detected. That real-time alerting is what helps responders act quickly to potential breaches or disruptions. A firewall blocks access at the network boundary, which helps prevent interference but doesn't provide ongoing alerts about ongoing interference inside the system. Data backups are about preserving and restoring data after an incident, not about detecting or signaling that something is happening in real time. User training reduces the chance of human error but doesn't itself detect or alert to system interference.

8. Which of the following is an advantage of virtual reality (VR) as an interaction method?

A. User can feel immersed in a virtual world

B. Some VR software is not very realistic

C. Not suited to people with motion sickness

D. Requires no hardware

Feeling immersed in a virtual world is the key advantage. When VR creates a strong sense of presence, interactions feel natural and intuitive because your movements and the system's responses line up in a believable space. That immersion boosts engagement, makes training and simulations more effective, and enhances the overall user experience. The other statements describe drawbacks or incorrect assumptions: some VR software isn't very realistic, motion sickness can be a problem for some users, and VR does require hardware rather than being hardware-free.

9. Which statement best defines a management information system (MIS)?

A. A collection of hardware and software.

B. A collection of hardware and software.

C. A storage facility for inventory data only.

D. A tool for automating pricing.

A management information system is about using technology to provide information to managers. The key part is that it combines hardware and software to collect data, process it, and present useful information that supports planning, control, and decision-making. So describing MIS as a collection of hardware and software best captures the technological foundation that makes information flow possible across the organization. The other descriptions are too narrow. A storage facility for inventory data only reduces MIS to a database or repository, missing the processing and reporting that turn data into actionable information. A tool for automating pricing focuses on a single function rather than the broader information-support role of MIS. In practice, MIS also involves people and procedures, but among the given statements, hardware and software together best reflect what an MIS is meant to be.

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10. Which device is commonly used for moving relatively small files from work to home?

A. SD card

B. Cloud drive

C. HDD

D. USB flash drive

Using a USB flash drive is ideal for moving relatively small files between work and home because it's a small, portable, plug-and-play storage device that works with nearly any computer. You can just plug it into a USB port, copy the files, eject it, and take it with you without needing internet access or special software. This makes it quick and reliable for quick transfers, especially when the files aren't large. An SD card can also be portable, but you often need a card reader on both machines, which isn't as universally available as USB ports. Cloud storage works without a physical device, but it depends on internet access and can be restricted by work networks or policies, and it isn't a device you physically carry. An HDD is large and not as portable, plus more prone to damage if transported, making it less convenient for moving small files between locations.

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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://wjecdigitaltech.examzify.com

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

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