



## Certification Exam: ICT CyberSecurity Essentials Certificate Test

### Exam Objectives

The ICT CyberSecurity Essentials courseware is written to the following Exam Objectives:

#### **Domain 5.1: Demonstrate knowledge of Internet safety practices and policies to help protect your identity, including social networking risks, mobile device issues, privacy and cybersafety practices to protect your personal information.**

- 5.1.1: Describe privacy risks associated with interacting online, including social media platform use (e.g., Snapchat, Instagram, X).
- 5.1.2: Define privacy and explain how online privacy relates to your digital footprint.
- 5.1.3: Practice cybersafety techniques to protect your privacy and personal information when communicating online (including Internet, apps, email, and social media platform usage).

#### **Domain 5.2: Demonstrate knowledge of Internet safety practices to combat risks related to online social and recreational activities, including cyberbullying, inappropriate texting and online gaming.**

- 5.2.1: Describe cyberbullying, its impact on perpetrators and victims, and ways to respond.
- 5.2.2: Describe risks associated with inappropriate digital communication (e.g., texts, posts, images, videos and telephony), including legal issues and social consequences, and identify methods for response, reporting and prevention.
- 5.2.3: Describe the risks associated with online gaming and identify ways to reduce these risks.

#### **Domain 5.3: Demonstrate knowledge of ethical and legal issues related to content found on the Internet, including music and videos downloaded from the Internet, and guidelines for copyright and fair use.**

- 5.3.1: Identify issues related to using and sharing content from the Internet (e.g., images, music, videos), including the legal and ethical issues related to plagiarism and copyright infringement.
- 5.3.2: Compare and contrast rules for copyright, fair use, and Creative Commons licenses, especially in relation to using online resources for school and educational purposes.

#### **Domain 5.4: Demonstrate knowledge of security threats to computer systems (including common security threats, and viruses vs. malware), and perform countermeasures to secure a computer (including antivirus scans, strong passwords, and cybersafety techniques for protecting your computer when using the Internet).**

- 5.4.1: Describe common malware and explain its impact on personal privacy and computer operation.
- 5.4.2: Describe common threats used to spread malware, including phishing, pharming, trojans, spyware, malicious sites, "free" downloads.
- 5.4.3: Explain the importance of running an antivirus scan on a computer device to check for viruses and malware.
- 5.4.4: Describe strong password best practices, including password managers.
- 5.4.5: Practice cybersecurity techniques to protect your computer device when using the Internet, email and social media platforms.
- 5.4.6: Identify security issues related to mobile devices, including personal information compromised if a device is lost or stolen.
- 5.4.7: Identify two factor authentication (2FA) standards and purposes.
- 5.4.8: Describe cybersecurity and the CIA triad.