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Wednesday 13 January 2027 – Morning

Level 3 Cambridge Technical in IT

05839/05840/05841/05842/05877 Unit 3: Cyber security

PRE-RELEASE

C383--2701

INSTRUCTIONS

- Do **not** take this copy of the pre-release material into the exam.
- Do **not** take any notes into the exam.

INFORMATION

- A clean copy of this pre-release will be given to you with the question paper.
- This document has **4** pages.

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Sasha's Laptop

Background

Sasha is a web designer who creates custom built websites for a variety of clients. The websites created include:

- Information only
- Subscription based
- Web stores (including the ability to pay by credit card).

Some of the websites that Sasha has created are based on server side scripting.

The Laptop

All client information, including copies of the websites, scripts, login details and port settings for each website and web store payment details are stored on the laptop.

Sasha also uses the laptop for personal use including banking, social media and email. The documents stored on the laptop include a file containing login details and passwords for all Sasha's personal accounts.

The laptop is protected by a password but is not backed up.

The Theft of the Laptop

Sasha left the laptop on the front seat of their car. The car window was broken and the laptop was stolen.

Since the theft:

- some clients have reported that the content on their website has been changed
- credit card details of visitors to the web stores have been used without their consent
- clones of clients websites have also appeared
- Sasha has had money removed from their personal bank account
- derogatory social media posts have been made on Sasha's accounts.

Following the theft of the laptop, Sasha has replaced it and is looking at how they can protect their data.

Further research

To prepare for the exam, you should research the following themes:

- types of cyber security incident
- Legislation (Acts) which may have been broken; by the data being accessed on the stolen laptop
- types of attacker
- testing and monitoring measures Sasha could undertake
- methods Sasha could use to protect data stored on a laptop
- different targets for cyber security threats.

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