

Wednesday 16 January 2019 – Morning

LEVEL 3 CAMBRIDGE TECHNICAL IN IT

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

INSERT



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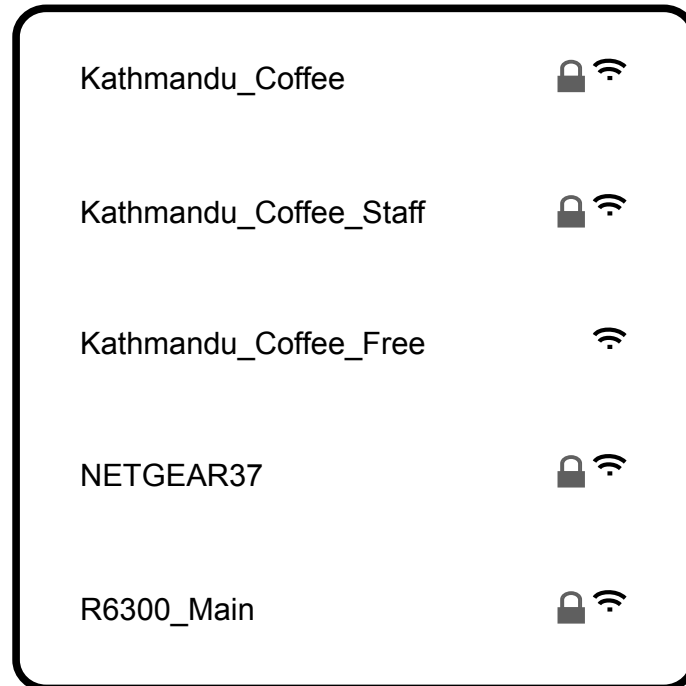
A coffee shop in Nepal

Background

Mr Thapa went on holiday to Kathmandu in Nepal. During his holiday Mr Thapa visited a local coffee shop that is part of a franchise. The coffee shop provided a Wi-Fi connection for customer use.

Connection

Whilst sitting in the coffee shop drinking his coffee Mr Thapa turned on the Wi-Fi on his personal mobile phone and was presented with the following SSIDs:



Mr Thapa connected his phone to the Wi-Fi connection *Kathmandu_Coffee_Free*. He proceeded to catch up with email, online banking, checking his credit card statements as well as ordering some books for his e-reader from an online bookstore.

Suspected hack

Following his visit to the coffee shop, Mr Thapa noticed some odd behaviour with his phone and his online accounts. He began to suspect that his phone had been hacked and that the most likely location where this took place was the coffee shop.

Mr Thapa approached the coffee shop with his suspicions. The franchise that owns the coffee shop hired a local cyber security company to investigate and report on the suspected hack into Mr Thapa's phone.

Investigation

During the subsequent investigation, Mr Thapa was interviewed by the cyber security team and asked about his suspicions.

Mr Thapa asked to be kept up-to-date with the investigation and, if it was likely that his phone was hacked whilst he was at the coffee shop, to be given a copy of the final report.

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

- different types of attackers, their characteristics and motivations;
- the different targets for cyber security threats and how these threats might manifest themselves;
- methods that could be used by hackers to access phones and how these could be prevented;
- the impact of a cyber security incident and its consequences;
- stakeholder involvement in the completion and use of cyber security incident reports.

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