

Wednesday 16 January 2019 – Morning

LEVEL 3 CAMBRIDGE TECHNICAL IN IT

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

Duration: 1 hour
C384/1901



You must have:

- a clean copy of the pre-release (Insert C387)

First Name						Last Name				
Centre Number						Candidate Number				
Date of Birth	D	D	M	M	Y	Y	Y	Y		

- INSTRUCTIONS**
- Use black ink.
 - Complete the boxes above with your name, centre number, candidate number and date of birth.
 - Answer **all** the questions.
 - Write your answer to each question in the space provided.
 - If additional answer space is required, you should use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.

- INFORMATION**
- The case study should be used to answer questions in Section A.
 - The total mark for this paper is **60**.
 - The marks for each question are shown in brackets [].
 - Quality of extended response will be assessed in the question marked with an asterisk (*).
 - This document consists of **12** pages.

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Question No	Mark
1	/28
2	/12
3	/6
4	/11
5	/3
Total	/60

Answer **all** the questions.

Section A

This section relates to the case study about a cyber security attack on a customer in Nepal.

1 Whilst on holiday in Kathmandu, Mr Thapa used a Wi-Fi access point in a coffee shop to connect his personal mobile phone to the internet to perform a number of tasks. Whilst connected his phone was hacked.

(a) The diagram below shows three types of attacker and three definitions.

Draw a line to connect each type of attacker to its correct definition.

Type of attacker	Definition
hactivist	individual who often sends an email trying to get you to pay for goods or opportunities without there being any real end product
phisher	individual who tries to obtain financial or confidential information by sending an email that looks like it has come from a legitimate organisation
scammer	individual who uses computers to promote their own views on a particular issue

[3]

(b) Explain **one** reason why Mr Thapa would want to keep his phone secure.

.....

.....

.....

.....[2]

(g) Describe **two different** access controls Mr Thapa could implement to secure his phone.

1.....
.....
.....
.....
.....

2.....
.....
.....
.....

[4]

The franchise that owns the coffee shop has employed a cyber security team to investigate the hack into Mr Thapa’s phone.

2 (a) Identify **three** pieces of information Mr Thapa needs to provide to the cyber security team in order for them to create a cyber security incident report. For **each** piece of information, state why it is needed by the cyber security team.

1.....
.....
Why needed

2.....
.....
Why needed

3.....
.....
Why needed

[6]

(b) Mr Thapa has been asked to cooperate with the cyber security team during its investigation.

Explain why it is important to Mr Thapa that each member of the cyber security team has a different role.

.....
.....
.....
.....[2]

(c) Explain **two** ways that the coffee shop could use the review of the incident created by the cyber security team.

1.....
.....
.....
.....
.....
2.....
.....
.....
.....[4]

ADDITIONAL ANSWER SPACE

If additional answer space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s) – for example 1(d) or 4(a).

A large rectangular area containing 25 horizontal dotted lines for writing answers. A solid vertical line is on the left side of the page, and a solid vertical line is on the right side of the dotted lines.

A series of horizontal dotted lines for writing, spanning the width of the page.

A series of horizontal dotted lines for writing, spanning the width of the page.

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