



Oxford Cambridge and RSA

Thursday 26 May 2022 – Afternoon

Level 3 Cambridge Technical in IT

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

Time allowed: 1 hour

C384/2206



You must have:

- a clean copy of the Pre-release (inside this document)



Please write clearly in black ink.

Centre number

Candidate number

First name(s) _____

Last name _____

Date of birth

INSTRUCTIONS

- Use black ink.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- Answer **all** the questions.
- Use the Insert to answer the questions in Section A.

INFORMATION

- 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 questions marked with an asterisk (*).
- This document has **12** pages.

ADVICE

- Read each question carefully before you start your answer.

FOR EXAMINER USE ONLY	
Question No	Mark
1	/21
2	/16
3	/4
4	/6
5	/6
6	/7
Total	/60

(b) One of the documented procedures is to contain the incident.

Describe **two** measures that should be taken to contain the incident.

1

.....

.....

.....

.....

2

.....

.....

.....

[4]

(c) Following the cyber security incident, the system appears to be functioning normally.

Explain why the system appearing to be functioning normally does not always mean that the cyber security incident is over.

.....

.....

.....

.....

.....

.....

.....

.....

.....

[4]

(d) One of the impacts of the cyber security incident is disruption.

Identify **two** aspects of the business that would be disrupted. For each aspect describe its impact on the business.

1

.....

Impact

.....

2

.....

Impact

.....

[4]

3 Nutz'N'Boltz has been accused of breaking the law by not adequately protecting the personal data it stores.

Describe **two** other actions Nutz'N'Boltz should take to ensure it complies with the law relating to personal data.

1

.....

.....

.....

2

.....

.....

.....

[4]

Section B

Answer **all** the questions.

4 (a) One of the aims of cyber security is to protect the availability of information.

What is meant by availability?

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

(b) Complete the paragraph using the list of terms below.

Not all terms need to be used.

- Access
- Biometric
- Malware
- Management
- Swipe
- Transit
- Updates
- Use

Physical controls, such as _____ access and _____ cards can be used to protect data from being stolen.

Software controls such as operating system _____ can also be used.

Data is also vulnerable when it is in _____ and being transmitted.

[4]

5 Charlie has received the following email:

From: Info@onlinestorage.com
To: <undisclosed recipients>
You are currently running out of disk space in your on line account.
Click here: <http://io/ly/iTzP> to increase you storage space online allowance so you can store more and bigger files.

Thanks you for being our customer
OnlineStorage

(a) Identify **three** items that give this away as a phishing email.

- 1
- 2
- 3

[3]

(b) Explain how Charlie can protect themselves from phishers.

-
-
-
-
-
-

[3]

6 Amit has been told that they should be using cryptography to protect their data.

(a) (i) What is meant by cryptography?

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

(ii) Identify **two** cryptographic methods that Amit could use when transmitting data electronically.

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

(b) Amit is concerned about the stored data being accidentally damaged.
Identify **three** ways the stored data could be accidentally damaged.

1
.....
2
.....
3
..... [3]

END OF QUESTION PAPER

ADDITIONAL ANSWER SPACE

If additional answer space is required, you should use the following lined pages. The question numbers must be clearly shown in the margins – for example, 1(c) or 5(b).

A vertical line on the left side of the page is followed by 25 horizontal dotted lines, providing a ruled area for writing answers.

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



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