

Friday 10 January 2025 – Afternoon

Level 3 Cambridge Technical in IT

05838/05839/05840/05841/05842/05877 Unit 2: Global information

Time allowed: 1 hour 30 minutes

C382/2501



You must have:

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



Please write clearly in black ink. **Do not write in the barcodes.**

Centre number

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Candidate number

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First name(s) _____

Last name _____

Date of birth

D	D	M	M	Y	Y	Y	Y
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INSTRUCTIONS

- Use black ink.
- Write your answer to each question in the space provided. You can use extra paper if you need to, but you must clearly show your candidate number, the centre number and the question numbers.
- Use the Insert to answer the questions in Section A.
- Answer **all** the questions.

INFORMATION

- The total mark for this paper is **80**.
- 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 **16** pages.

ADVICE

- Read each question carefully before you start your answer.

Section A

Use the case study on **Cycle Challenge** in the **Insert** to answer the questions in this section.

1 Riders register on the Cycle Challenge website.

(a)

(i) Identify the type of World Wide Web (WWW) technology this process uses.

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

(ii) Identify **one** characteristic of this technology.

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

Registration details are stored in the Entry Database.

(b) Identify the information styles that have been applied to the Team and Individual Time fields.

Explain your choices.

Team field information style

.....

Explanation

.....

.....

.....

Individual Time field information style

.....

Explanation

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[6]

3

2 The registration process uses an open information structure.

(a) Identify **two** characteristics of an open information structure.

1

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2

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[2]

(b) Describe **two** advantages of using an open information structure during the registration process.

1

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2

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[4]

The Entry Database is stored on a shared device.

3 Describe **one** advantage and **one** disadvantage of using a shared device to store the Entry Database.

Advantage

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.....

.....

Disadvantage

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.....

[4]

4 Riders must use the tracking app when completing the Cycle Challenge.

(a) Identify the data analysis tool the tracking app would be included in.

Justify your choice.

Data analysis tool

Justification

.....
.....
.....
.....
.....
.....

[4]

The tracking app is accessed through the riders' smart phone. The smart phone is a handheld device.

(b) Identify and describe **one** characteristic of a handheld device that makes it suitable for riders to access the tracking app.

Characteristic

Description

.....
.....
.....
.....

[3]

The tracking app provides extra details for the rider.

(d) Identify **two** different information styles that are used in the extra details shown in the tracking app.

1

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2

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[2]

When the final times have been calculated, some of the data will be transferred between the UK and Australia.

5 Explain how the UK data protection legislation should be considered when transferring the data.

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[3]

Section B

You do **not** need the case study to answer these questions.

A publishing company sells educational books, including workbooks and revision guides. Schools can order and pay through a website or by telephoning the customer contact team during office hours. Orders are despatched the same day using a 24-hour courier service.

6 Describe **two** advantages to the schools of ordering the books through the website.

1

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2

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[4]

7 Details about the books are shown on the website.

(a) Identify the information classification the details would be included in.

Justify your choice.

Information classification

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Justification

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[3]

8 Each order, including the schools' contact details, is saved on the order database.

(a) Explain why the publishing company needs to comply with the Data Protection Act.

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.....
..... [3]

(b) Identify **two** actions that the publishing company should take to comply with the Data Protection Act.

1

2

..... [2]

The order database can be categorised as a contact management system.

(c) Describe **one** limitation to the publishing company of using a contact management system.

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

Each year, data cleansing is carried out on the order database.

(d) Identify **two** reasons why data cleansing should be carried out on the order database.

1

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2

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[2]

9 When an order is placed, a picking list is electronically sent to the packing department. A member of the packing team collects the books on the picking list.

(a) Identify the information management step that occurs when the picking list is sent to the packing department.

.....

..... [1]

The books are packed into a box. An address label is printed using the school's data on the orders database. Members of the packing team can only access the school's name and address.

(b) Identify the logical protection measure that is used when the school's name and address is being accessed.

Justify your choice.

Protection measure

.....

Justification

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[3]

10 A report on the sales of the books is being created. Qualitative and quantitative data will be used in the report.

(a) Explain, using examples, the purpose of qualitative and quantitative data.

Qualitative data

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Quantitative data

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[6]

Images will be used in the report.

(b) Identify and describe **two** actions that should be taken to ensure compliance with the Copyright, Designs and Patents Act.

1

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2

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[4]

END OF QUESTION PAPER

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