OCR
Oxford Cambridge and RSA

Wednesday 11 January 2023 – Afternoon

Level 3 Cambridge Technical in IT

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

Time allowed: 1 hour 30 minutes
C382/2301

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 | Candidate number

First name(s) _____

Last name _____

Date of birth   D D M M Y Y Y Y

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.
* 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.

Answer **all** the questions.

Section A

This section relates to the case study on PH GP motorbike race team.

1 Each race, PH GP collects data from the sensors on the bike.

(a) The collected data can be classified as an internal source.
Explain why the data is classified as an internal source.

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.... **[3]**

(b) Identify the type of data that is collected by the sensors.

.... **[1]**

(c) Explain, using an example, why it is important that the data collected from the sensors demonstrates the **integrity** principle of data security.

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.... **[4]**

The technical team converts the collected data into a graph to enable the data to be analysed.

(d) Identify the data analysis tool the graph would be included in. Justify your choice.

Data analysis tool ....

Justification ....

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[4]

Turn over for the next question

2 The data collected from the sensors on the bike is automatically uploaded to a secure cloud storage area.

(a) Identify the information format that the cloud storage area would be included in. Justify your choice.

Information format ....

Justification ....

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[4]

(b) Describe **one** advantage and **one** disadvantage to the PH GP team of uploading the data to the secure cloud storage area.

Advantage ....

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Disadvantage ....

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[4]

3* Discuss the security methods that could be used by PH GP to maintain the security of the collected data on the cloud storage area.

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.... **[10]**

4 PH GP provides the riders with team orders.

(a) Identify the information style the team orders would be included in.

.... **[1]**

(b) Explain why it is important that the team orders provide good quality information to the rider.

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.... **[3]**

5 During the race, fans can watch the race and read live text commentaries on the circuit website.

(a) Explain why dynamic webpages are used for displaying the live text commentaries.

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.... **[3]**

The racers post blogs to their webpages. The blogs can be included in the public information classification.

(b) Explain why the blogs would be included in the public information classification.

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.... **[3]**

Section B

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

A small independent theatre puts on events such as plays and talks by celebrities.

The theatre is located in the centre of Bristol.

6 (a) Identify the category of information holder the theatre would be included in.

.... **[1]**

All bookings for the events are done online by customers through the theatre's website.
As part of the booking process, customers select the seats they would like to book from a seat plan.

The seat plan shows the location of the seats in the theatre and their price.

(b) Identify the information style the seat plan would be included in.

.... **[1]**

(c) Explain why the seat plan and the price of each seat need to demonstrate the characteristic of validity.

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.... **[3]**

Turn over

7 When the seats have been chosen the customer pays for the seats using a secure payment process.

Customers have to input their contact and payment details.

(a) The payment details are stored by the theatre and are completely anonymised.

Explain what is meant by completely anonymised.

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.... **[3]**

(b) Explain **one** positive impact to the customers of their payment details being completely anonymised.

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.... **[3]**

(c) Identify and describe **one** impact that could affect the flow of information during the booking process.

Impact ....

Description ....

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[3]

8 After each event, the theatre uses charts and graphs to analyse the sales of each type of seat.

(a) Explain, using an example, how charts and graphs could be used to analyse the sales of each type of seat sold.

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.... **[4]**

The graphs and charts could be included in the marketing, promotion, and sales category of information.

(b) Explain why the graphs and charts would be included in the marketing, promotion, and sales category of information.

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.... **[4]**

Turn over

9* The theatre has a website which is used to advertise upcoming events.

Photographs of the stars and celebrities are shown.

Discuss the actions that should be taken by the theatre to comply with the Copyright, Designs and Patents Act 1988 when using photographs of the stars and celebrities.

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.... **[10]**

10 The theatre has a social media page.

The social media page is used to keep customers up to date about upcoming events and to give news updates about the theatre.

Reviews of the events can be posted by customers.

(a) Identify the category of information the reviews would be included in.

.... **[1]**

(b) Describe **one** advantage and **one** disadvantage to the theatre of using social media.

Advantage ....

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Disadvantage ....

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[4]

The theatre has posted a news update about their use of Green IT.

(c) Explain **one** requirement of Green IT on the theatre.

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.... **[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, 3 or 8(a).