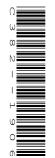# OCR
Oxford Cambridge and RSA

Thursday 16 May 2019 – Morning

LEVEL 3 CAMBRIDGE TECHNICAL IN IT

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

Time allowed: 1 hour 30 minutes
C382/1906

Please write clearly in black ink.

Centre number [ ][ ][ ][ ][ ]   Candidate number [ ][ ][ ][ ]

First name(s) _____

Last name _____

Date of Birth [D][D][M][M][Y][Y][Y][Y]

INSTRUCTIONS
• The insert will be found inside this document.
• Use black ink.
• 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 **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 consists of **12** pages.

FOR EXAMINER USE ONLY	
Question No	**Mark**
1	/5
2	/6
3	/10
4	/5
5	/7
6	/9
7	/24
8	/14
Total	**/80**

Turn over

Answer **all** the questions.

Section A

This section relates to the case study on PH Disaster Aid (PHDA).

1   PH Disaster Aid stores details of the approved team members in a database.

    (a) (i) Identify the information style that has been applied to the Contact_Number field.

       ....**[1]**

    (ii) Explain why this information style has been used.

       ....

       ....

       ....

       ....

       ....

       ....**[3]**

    (b) Identify the category of information holders in which PH Disaster Aid would be included.

       ....**[1]**

2   When a natural disaster happens, information needs to be accessed and collected by the country's government.

    Explain **two** issues that may prevent the government from accessing this information.

                                                                              [6]

    1 ....

    ....

    ....

    ....

    ....

    ....

2 ....

....

....

....

....

....

3* Information about the natural disaster is sent from the disaster area to enable the correct relief aid and specialist teams to be sent.

Discuss the consequences to the teams and the people who live in the disaster area if the information about the natural disaster is of poor quality.

[10]

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

Turn over

4 Decisions will be made by the network coordinators about the number of seats and cargo space to allocate to each charity and organisation.

Identify the type of software that could be used to make these decisions. Justify your choice.

Software ....

Justification ....

....

....

....

....

....

....

....

[5]

5 Each time a team is sent to a disaster area, PHDA sends records of the attending team members to the network coordinator.

(a) Explain why it is important to maintain the integrity of these records.

....

....

....

....

....

....

....

....

....**[4]**

One piece of data held in the records is the Visa Number.

(b) Identify the **type** of source to which the above information might belong. Justify your choice.

Source ....

Justification...

....

....

....

[3]

6 The team members use handheld devices to record videos to send back to PH Disaster Aid.

(a) (i) Identify one handheld device that could be used to record the videos.

....[1]

(ii) Describe **one** advantage and **one** disadvantage of using this handheld device.

Advantage ....

....

....

....

Disadvantage ....

....

....

....

[4]

(b) Describe **two** uses of these videos.

1...

....

....

....

2...

....

....

....

[4]

Section B

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

7 A school holds records, in a database, about its students and staff. The records include personal details including name, gender, date of birth, any disabilities or medical problems and contact details.

(a) The database uses separate tables to hold details of the students and the staff.

Explain **one** advantage of using separate tables for students and staff.

....

....

....

....

....

....**[3]**

Some of the data held in the database can be classified as private.

(b) Using an example from the database, explain what is meant when classifying information as private.

....

....

....

....

....

....

....

....**[4]**

(c)* Discuss how the Equality Act should be considered when the school is using the records to select staff for a promotion.

[10]

....

....

....

.... [1]

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

If a student moves to a different school, the data held in his/her record has to be sent to the new school. The data is transmitted online.

(d) Identify and describe **one** security method that can be taken to keep this information secure during transmission.

Security method...

....

Description ....

....

....

....
[4]

(e) Explain **one** impact to the student if the data is not transmitted securely.

....

....

....

....

....

....**[3]**

8 A hotel is redeveloping its booking website.

(a) The booking website will use quantitative data.

Explain what is meant by the term quantitative data.

....

....

....

....**[2]**

(b) Identify **one** item of quantitative data that could be used in the booking website.

....**[1]**

(c) Identify and describe **one** feature that should be included on the booking website to ensure compliance with the UN Convention on the Rights of Persons with Disabilities (UNCRPD).

Feature ....

....

....

....

Description...

....

....

....

[4]

(d) The booking website advertises that the hotel has reduced its carbon footprint.

Explain what is meant by the term 'reducing carbon footprint'.

....

....

....

....**[2]**

(e) (i) Identify the type of information system structure into which the booking website would be included.

....**[1]**

(ii) Describe **one** benefit and **one** limitation of using this type of information system structure for the booking website.

Benefit...

....

....

....

Limitation...

....

....

....
                                                                                                                        [4]

END OF QUESTION PAPER

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 5(a) or 6(b).

C382/1906