

Modified Enlarged 18 pt

OXFORD CAMBRIDGE AND RSA EXAMINATIONS

Friday 19 May 2023 – Afternoon

Level 3 Cambridge Technical in IT

05838/05839/05840/05841/05842/05877

Unit 2: Global information

Time allowed: 1 hour 30 minutes plus your additional time allowance

**You must have:
a clean copy of the Pre-release
(with this document)**

Please write clearly in black ink.

**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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READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS

Use black ink.

Write your answer to each question in the space provided. If you need extra space use the lined page 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 (*).

ADVICE

Read each question carefully before you start your answer.

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SECTION A

Use the case study on PHIH in the INSERT to answer the questions in this section.

1 Details of the passengers are stored in the booking database opposite.

(a) Identify the CATEGORY of INFORMATION HOLDER the issuing country of the passports would be included in.

[1]

(b) Identify the INFORMATION STYLE that has been applied to the Passport field.

[1]

(c) Complete the table below to show TWO OTHER information styles used in the booking database and the fields they are used on. [4]

Information style	Field

Passengers x		First Name	Family Name	Passport	Issuing Country	Departing Port	Arriving Port
	Passenger ID						
	2	Kofi	Azmi	6740295	Greece	Rhodes	Aegina
	3	Beth	Riley	253790	UK	Rhodes	Mykonos
	4	Tom	Riley	978452	UK	Rhodes	Mykonos
	5	Shanti	Zayn	87695935	USA	Rhodes	Santorini

5

Passengers x		First Name	Family Name	Passport	E-Ticket	Address 1	PostCode	Country
	Passenger ID							
	2	Kofi	Azmi	6740295		45 Athena Street		Greece
	3	Beth	Riley	253790	✓			
	4	Tom	Riley	978452	✓			
	5	Shanti	Zayn	87695935		2781 Main Street	NJ5625	USA

- 2 Each morning, exchange rates are taken from the European Central Bank's (ECB) website.**

Identify the INFORMATION SOURCE these exchange rates would be included in.

Justify your choice.

Information source _____

Justification _____

[4]

- 3 Each morning the administration staff email a PASSENGER LIST to each port.**

Identify ONE characteristic of information that should be demonstrated by the PASSENGER LIST.

Justify your choice.

Characteristic _____

Justification _____

[3]

4 The booking database holds details of the journeys booked by passengers.

(a) Explain how the booking database could be used by PHIH for DECISION MAKING.

[3]

(b)* Discuss how LOGICAL PROTECTION METHODS could be used to maintain the security of the booking database. [10]

[illegible]

5 The PHIH website includes a blog and podcasts.

(a) Compare the USE of blogs and podcasts on the website.

[4]

(b) Describe ONE advantage and ONE disadvantage to the passengers of PODCASTS being used to show the journey between two island ports. [4]

Advantage _____

Disadvantage _____

(c) To CONFORM to the requirements of the UN Convention on the Rights of Persons with Disabilities (UNCRPD) users of the PHIH website can activate screen readers.

Identify and describe TWO OTHER methods that can be used on the website to CONFORM with the UNCRPD.

Method 1 _____

Method 2 _____

SECTION B

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

ETVS carries out online surveys about people's entertainment viewing habits on behalf of its clients. The surveys focus on streaming services and pay-to-view programmes, as well as those available through free services.

6 The employees create the surveys by accessing the company intranet.

(a) Identify TWO characteristics of an intranet.

1

2

[2]

(b) Based on the target audience for each survey, ETVS uses the 'identify potential sources' STAGE of DATA ANALYSIS.

(i) Explain what happens during this STAGE of DATA ANALYSIS.

[3]

- (ii) Identify and describe the NEXT data analysis stage.

Stage _____

Description _____

[3]

- (iii) Identify ONE OTHER data analysis stage.

[1]

- (c) The target audience complete and submit the surveys online using an EXTRANET.

Identify and describe ONE characteristic of an EXTRANET.

Characteristic _____

Description _____

[3]

7 The submitted results of the surveys are stored as data and information.

(a) QUALITATIVE DATA is collected during the surveys.

Using an example related to the surveys, explain the purpose of QUALITATIVE DATA.

[3]

(b) Using an example related to the surveys, describe the DIFFERENCE between data and information.

[3]

- (c) Some of the stored data can be partially or completely anonymised.

Describe ONE DIFFERENCE between partially and completely anonymised data.

[2]

- (d) The survey results are stored securely, conforming to the **INFORMATION SECURITY** principles of confidentiality and availability.

Using an example related to ETVS, explain what is meant by the INFORMATION SECURITY principle of availability.

[4]

8* ETVS analyses the results of the surveys and provides the results to their clients. The results are used by the clients to inform future entertainment plans.

Discuss why it is IMPORTANT that ETVS provide good quality information to their clients about the results. [10]

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

9 ETVS has received a Freedom of Information (Fol) request.

(a) Explain the PURPOSE of the Freedom of Information (Fol) Act.

[3]

- (b) Explain why ETVS does NOT have to respond to the Fol request.

[3]

END OF QUESTION PAPER

ADDITIONAL ANSWER SPACE

If additional answer space is required, you should use the following lined page. The question numbers must be clearly shown in the margins – for example, 4(b) or 8.

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