

# Level 3 Cambridge Technical in IT 05838/05839/05840/05841/05842/05877

**Unit 2: Global information** 

## Wednesday 17 May 2017 – Afternoon

Time allowed: 1 hour 30 minutes

You must hav • Insert (C38								
First Name			Last	t Name	Э			
Centre Number				Candio Numbe				
Date of		 	 			}		

#### **INSTRUCTIONS**

Birth

- Use black ink.
- Complete the boxes above with your name, centre number, candidate number and date of birth
- 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 **16** pages.

_	AMINER ONLY
Question No	Mark
1	/5
2	/4
3	/10
4	/5
5	/10
6	/8
7	/24
8	/14
Total	/80

### Answer **all** the questions.

#### Section A

This section relates to the case study on Progress BikeSafe.

1	The	lear	ner records database includes different information styles.	
	(a)	(i)	Identify the information style of the EngineSizecc field in the learner progress database table, see <b>(Fig.1)</b> .	
				[1]
		(ii)	Explain why this information style has been used.	
				••••
				[3]
	(b)	Ider type	ntify <b>one</b> field in the learner progress database table which is the Boolean information.	'n
		٠.		[1]
2		gress abas	s BikeSafe is concerned about the security of the data held on the learner records e.	
	Ехр	lain l	how tiered levels of access can be used to maintain the security of the database.	
				••••
				••••
				[4]

	Discuss the actions that should be taken by Progress BikeSafe to comply with the Data Protection Act (DPA).
•	
-	
•	
•	
•	

[10]

4	The learner records database is backed up to a CD at the end of every working day.	
	Identify one other portable storage device which could be used. Justify your choice.	
	Device	
	Justification	
		[5]

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5*	Progress BikeSafe sends emails to its part-time staff to inform them of dates of future courses.
	Discuss the benefits and limitations of using this communication method.

[10]
171111

	gress BikeSafe is considering using an intranet to enable the part-time staff to access their rse details.
(a)	Describe what is meant by an intranet.
	[2]
(b)	Identify and describe <b>two</b> characteristics of an intranet which would make it suitable for part-time staff to access their course details.
	1
	2
	[6]

#### Section B

7 An on-line clothing retailer is carrying out market research. Qualitative data can be collected

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

duri	ng m	arket research.
(a)	(i)	Using an example, describe what is meant by qualitative data.
		[3]
	(ii)	Identify <b>two</b> items of non-sensitive data which could be collected during the market research.
		1
		2

[2]

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(b)	The market research will be carried out using an online survey.
	Discuss how the importance of collecting good quality information should be considered when creating a market research survey.
	[7]

(c)	Describe <b>two</b> benefits and <b>one</b> limitation of using a spreadsheet to manipulate the information gathered in the survey.	
	Benefit 1	
		• • •
		• • •
	Benefit 2	
	Delient 2	
		•••
		•••
	Limitation	• • •
		•••
		 61
		6]
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A UK-based communications company recently had a breach in security relating to its

cus	tomer database.	
(a)	Describe <b>two</b> impacts this breach may have had on the customers of the company.	
	1	
	2	
		•••
		 4]
		-
(b)	Explain how the Computer Misuse Act (CMA) has been broken during this security breach.	
		• • •
	[0	6]

8

Following this breach the company has reviewed its policies and procedures.

(c)	Explain the importance to the company of creating a policy for the training of staff to handle information.	
		. [3]
(d)	Identify the procedure for disposing of old paper-based records.	
		. [1]

#### **END OF QUESTION PAPER**

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#### **ADDITIONAL ANSWER SPACE**

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).

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