



Oxford Cambridge and RSA

Wednesday 17 May 2017 – Morning

LEVEL 1/2 CAMBRIDGE NATIONAL IN ICT

R001/01 Understanding Computer Systems

Candidates answer on the Question Paper.

OCR supplied materials:

- Clean Copy of the Pre-release Case Study (R001/01 – Inserted)

Other materials required:

None

Duration: 1 hour



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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INSTRUCTIONS TO CANDIDATES

- The Case Study Insert can be found inside this document.
- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- Do **not** write in the barcodes.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is **60**.
- This document consists of **12** pages. Any blank pages are indicated.

Answer **all** the questions.

SECTION A

The questions in this section are based on Scenario 1 in the case study and your background research.

1 Indiana Motors stores a record of each car it has in stock.

(a) Identify **one** type of applications software that would be suitable to store and quickly locate records of cars in stock.

..... [1]

(b) Identify **two** features of this software that make it suitable for this purpose.

1

.....

2

.....

[2]

(c) Identify **one** suitable output device that can be used to display each record.

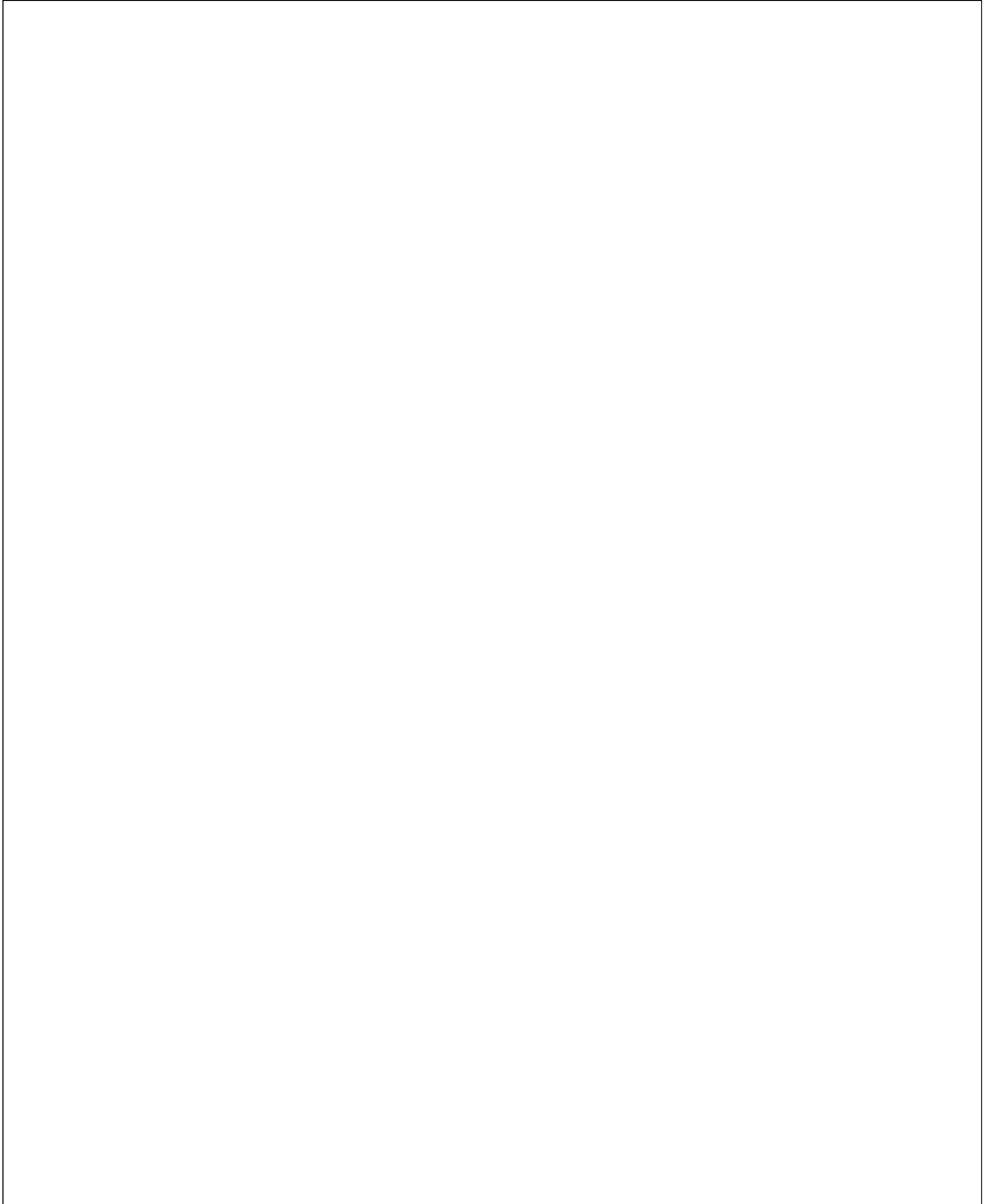
..... [1]

2 When a customer buys a car, they are asked to put their contact details on a form.

(a) Use the space below to design a paper-based data capture form that could be used to collect the contact details. The data has to be in a suitable format for entry into the computer system.

You should use the whole of the space provided.

[7]



All of the customer records are stored on a computer system in the main office. Regular backups must be made of this system.

(b) Explain **one** reason why this computer system needs to be backed up.

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

(c) Identify **one** type of storage media that can store the backup of the whole computer system.

..... [1]

4 Indiana Motors has a multimedia presentation that runs in the showroom to promote special offers.

(a) The multimedia presentation includes photographs of cars.

Identify **two** possible issues that may arise if Indiana Motors uses photographs that it finds on the internet as part of this presentation.

1

.....

2

.....

[2]

(b) The table below shows features of a multimedia product.

For each feature, describe how it could be used in the presentation that Indiana Motors uses in the showroom.

[6]

Feature	How used in the presentation
Text
Images
Animation

(c) The multimedia presentation has no user interaction.

Explain **one** benefit to the customer if the multimedia presentation did include user interaction.

.....

.....

.....

..... [2]

SECTION B

The questions in this section are based on Scenario 2 in the case study and your background research.

- 5 Four examples of how Safe Breakdown uses technology are listed in the table below.

Complete the table by putting one tick (✓) in each row to show the use of the technology by Safe Breakdown. **The first answer has been completed for you.** [3]

		Technology Type			
		RFID	GPS	Barcode Reader	Near Field Communication
Use of Technology	To track and record staff purchases from the canteen	✓			
	To track the location of its breakdown vehicles				
	To accept payment				
	To track stock in the warehouse				

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