

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS**  
**LEVEL 1/2**  
**R001/01**

**CAMBRIDGE NATIONAL IN ICT**  
**Understanding Computer Systems**

**TUESDAY 15 JANUARY 2013: Morning**

**DURATION: 1 hour**  
**plus your additional time allowance**

**MODIFIED ENLARGED 18pt**

<b>Candidate forename</b>		<b>Candidate surname</b>	
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<b>Centre number</b>						<b>Candidate number</b>				
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**Candidates answer on the Question Paper.**

**OCR SUPPLIED MATERIALS:**

**Clean Copy Case Study**

**OTHER MATERIALS REQUIRED:**

**None**

**READ INSTRUCTIONS OVERLEAF**

## **INSTRUCTIONS TO CANDIDATES**

- **Write your name, centre number and candidate number in the boxes on the first page. 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).**

## **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.**

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## **SECTION A**

**THE QUESTIONS IN THIS SECTION ARE BASED ON SCENARIO 1 IN THE CASE STUDY AND YOUR BACKGROUND RESEARCH.**

**Answer ALL questions.**

**1 Steve Jones wants to listen to the music stored on his computer system.**

**(a) Identify TWO input devices that Steve could use to select a song stored on his system.**

**1** \_\_\_\_\_

**2** \_\_\_\_\_

**[2]**

**(b) Identify ONE output device that Steve would need so that he could listen to songs on his computer system.**

\_\_\_\_\_ **[1]**

**(c) Identify TWO file types that are used to store music digitally.**

**1** \_\_\_\_\_

**2** \_\_\_\_\_

**[2]**

**(d) Before each booking, Steve selects the music he wants to play and transfers it to a storage medium.**

**(i) Identify ONE storage medium that would be suitable for this purpose.**

\_\_\_\_\_ **[1]**

**(ii) Give TWO reasons why this is the most suitable medium.**

**1** \_\_\_\_\_

**2** \_\_\_\_\_ **[2]**

**2 Steve allows his audience members to request songs that they want to hear. He provides his audience with a form, on paper, on which requests can be made.**

**(a) What TYPE of application software would be MOST suitable to use to create this form?**

\_\_\_\_\_ [1]

**(b) State ONE output device that would be used to create a hard copy of this form.**

\_\_\_\_\_ [1]

**Audience members must provide Steve with information so that he can correctly identify the song they want to hear.**

**(c) Identify TWO items of information that audience members would need to provide so that Steve can correctly identify the requested song.**

**1** \_\_\_\_\_

\_\_\_\_\_

**2** \_\_\_\_\_

\_\_\_\_\_

[2]

**Steve is worried that a paper-based form is NOT the most suitable method for data capture in a club.**

**(d) Explain ONE possible DISADVANTAGE caused by using a paper-based form to capture the information Steve needs.**

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**[2]**

**Steve is aware that many of his audience have smartphones.**

**(e) Describe TWO ways, other than voice calls, that Steve could use to enable his audience to request songs using smartphones.**

**1** 

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**2** 

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**[4]**

- 3 Steve creates and plays his own tracks by combining together samples. Some of the samples are from tracks written or performed by other people.**

**Explain THREE actions that Steve must take in order to comply with the Copyright, Designs and Patents Act when doing this.**

**1** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**2** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**3** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**[6]**



**4 Steve announces the names of some of the tracks he plays. Steve has both a wireless and a wired microphone that he could use.**

**(a) Explain ONE reason why Steve could choose a WIRELESS microphone for this purpose.**

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**[2]**

**(b) Explain ONE reason why Steve could choose a WIRED microphone for this purpose.**

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**[2]**

## SECTION B

**THE QUESTIONS IN THIS SECTION ARE BASED ON SCENARIO 2 IN THE CASE STUDY AND YOUR BACKGROUND RESEARCH.**

**Answer ALL questions.**

**5 Nico uses a digital camera to photograph the DJs.**

- (a) State TWO ways in which the photograph, once taken, could be manipulated to make it suitable for use on Nico's website. For each way, explain why this is necessary.**

**Way 1** \_\_\_\_\_

\_\_\_\_\_

**Explanation** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Way 2** \_\_\_\_\_

\_\_\_\_\_

**Explanation** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**[6]**

**Nico has a user form, on her website, which people can fill in and submit if they want further information about any of the DJs.**

**(b) Complete the table below to describe the purpose of each user form feature.**

**The first line has been completed for you.**

<b>USER FORM FEATURE</b>	<b>DESCRIBE ONE PURPOSE OF THIS FEATURE</b>
<b>Button</b>	<b>A user can click on this to submit the information that has been added.</b>
<b>Radio button</b>	
<b>Text field</b>	

**[4]**

**(c) Explain why the use of data validation could improve the effectiveness of the data that is submitted on these forms.**

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**[2]**

**6 Bookings for events are recorded on an online calendar.**

**Discuss how the use of features of online calendars could help Nico in running her business and avoid the need to cancel events.**

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[9]

- 7 Nico uses spreadsheet software to set suitable fees for each booking.**

**Explain THREE reasons why this software is suitable for this purpose.**

**1** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**2** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**3** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**[6]**

**8 Nico holds personal contact and bank account details of her DJs on her computer.**

**(a) State the name of the Act that controls the storage of personal information by Nico.**

\_\_\_\_\_ **[1]**

**(b) Describe ONE legal implication for Nico if this data is stolen.**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ **[2]**

**(c) Explain ONE possible implication for Steve Jones if his personal information is stolen.**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ **[2]**

**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 margins.**








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