

**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 24pt

Candidate forename		Candidate surname	
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Centre number						Candidate number				
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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.

[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 _____

2 _____

[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.

[2]

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

[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.

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

[4]

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

[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.

[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 _____

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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