

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS**  
**GCSE**  
**B061/02**  
**INFORMATION AND COMMUNICATION**  
**TECHNOLOGY**  
**ICT in Today's World**

**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:**

**A separate Diagram Booklet**

**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.**
- **Your Quality of Written Communication is assessed in questions marked with an asterisk (\*).**

- 1 Look at the diagram for Question 1 in the separate Diagram Booklet.**

**Fig. 1 shows a hand-held tablet computer. Some of its features are labelled.**

- (a) Identify ONE input and ONE output device shown in Fig. 1.**

**Input device** \_\_\_\_\_

\_\_\_\_\_

**Output device** \_\_\_\_\_

\_\_\_\_\_

**[2]**

- (b) The tablet computer also has sensors.**

- (i) State ONE sensor in the tablet computer.**

\_\_\_\_\_

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

- (ii) State how the tablet computer would make use of this sensor.**

\_\_\_\_\_

\_\_\_\_\_

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

**(c) Describe how a user would open a web browser on the tablet computer.**

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[2]

**(d) The tablet computer does not have a physical keyboard.**

**Give TWO different ways that a user could enter the text of an email when using the tablet computer.**

**1** 

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**2** 

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[2]

**(e) The tablet computer uses (solid state) flash memory for storage instead of a (magnetic) hard disk.**

**(i) Give TWO advantages of using flash memory for storage.**

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

\_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

**[2]**

**(ii) Give ONE DISADVANTAGE of using flash memory for storage.**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**[1]**

- (f) The tablet computer uses WiFi to connect to a network and Bluetooth to connect to other devices.**

**(i) What is WiFi?**

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[2]

**(ii) State TWO differences between WiFi and Bluetooth technologies.**

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

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

[2]

**Fig. 1 shows that the tablet computer has a 2 Megapixel camera on the front and a 5 Megapixel camera on the back.**

**(g) Why does the tablet computer have a camera on EACH side?**

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**[2]**

**2 Draw a line from each file type to the type of content it would store.**

<b>FILE TYPE</b>	<b>TYPE OF CONTENT STORED</b>
<b>JPEG</b>	<b>audio</b>
<b>MPEG</b>	<b>document</b>
<b>RTF</b>	<b>image</b>
<b>MP3</b>	<b>video</b>

**[4]**

- 3 (a) Complete each of the sentences below with the correct spreadsheet term.**

**B2 refers to a \_\_\_\_\_ .**

**B2:B6 refers to a \_\_\_\_\_ .**  
**[2]**

- (b) When using spreadsheets, what is the purpose of a formula?**

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**[2]**

- (c) What is an absolute cell reference in a spreadsheet?**

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**[2]**



**4 What is meant by the database term 'record'?**

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**[2]**

- 5 A software engineer is designing a new computer database system for a school library.**

**Describe THREE considerations that the software engineer needs to take into account when designing the database system.**

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

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\_\_\_\_\_

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**3**

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**[6]**

**6 Explain ONE advantage of using quantum cryptography to keep data secure.**

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**[3]**

**7\* Explain the advantages AND disadvantages of using different types of social networking.**

**Marks will be awarded for the quality of written communication in your answer.**

[illegible]

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[8]

**8 Describe THREE ways that ICT can be used to help identify suspected criminals.**

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

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

**3**

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**[6]**





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[8]

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