

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

**WEDNESDAY 14 MAY 2014: Morning**  
**DURATION: 1 hour**  
**plus your additional time allowance**

**MODIFIED ENLARGED**

<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:**

**None**

**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 (\*).**

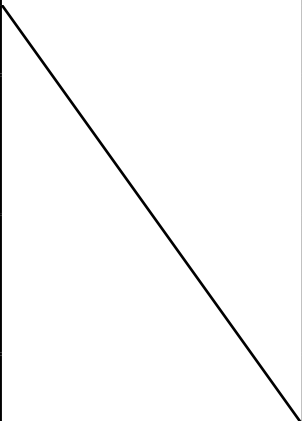
**Any blank pages are indicated.**

**BLANK PAGE**

- 1 Draw a line to link each element of a graphical user interface to its use.

The first one has been done for you.

Element	Use
Window	to click on to open an application
Icon	to display a set of choices to the user
Menu	to select an item on a screen
Pointer	to display tasks being worked on



[3]

**2 Items for sale in a shop have barcodes printed on the packets.**

**(a) Describe TWO benefits to the shop of having barcodes on items.**

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

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

**[4]**

**(b) Describe ONE drawback to the shop of having barcodes on items.**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**[2]**

**3 Lizzie uses a computer system to monitor the temperature in her garden and to record the activity of birds visiting her bird table, as shown in Fig. 1.**

**(a) State TWO advantages of using a computer system for monitoring and recording the data.**

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

\_\_\_\_\_

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

\_\_\_\_\_

**[2]**

**(b) Explain ONE DISADVANTAGE of using a computer system for monitoring and recording the data.**

\_\_\_\_\_

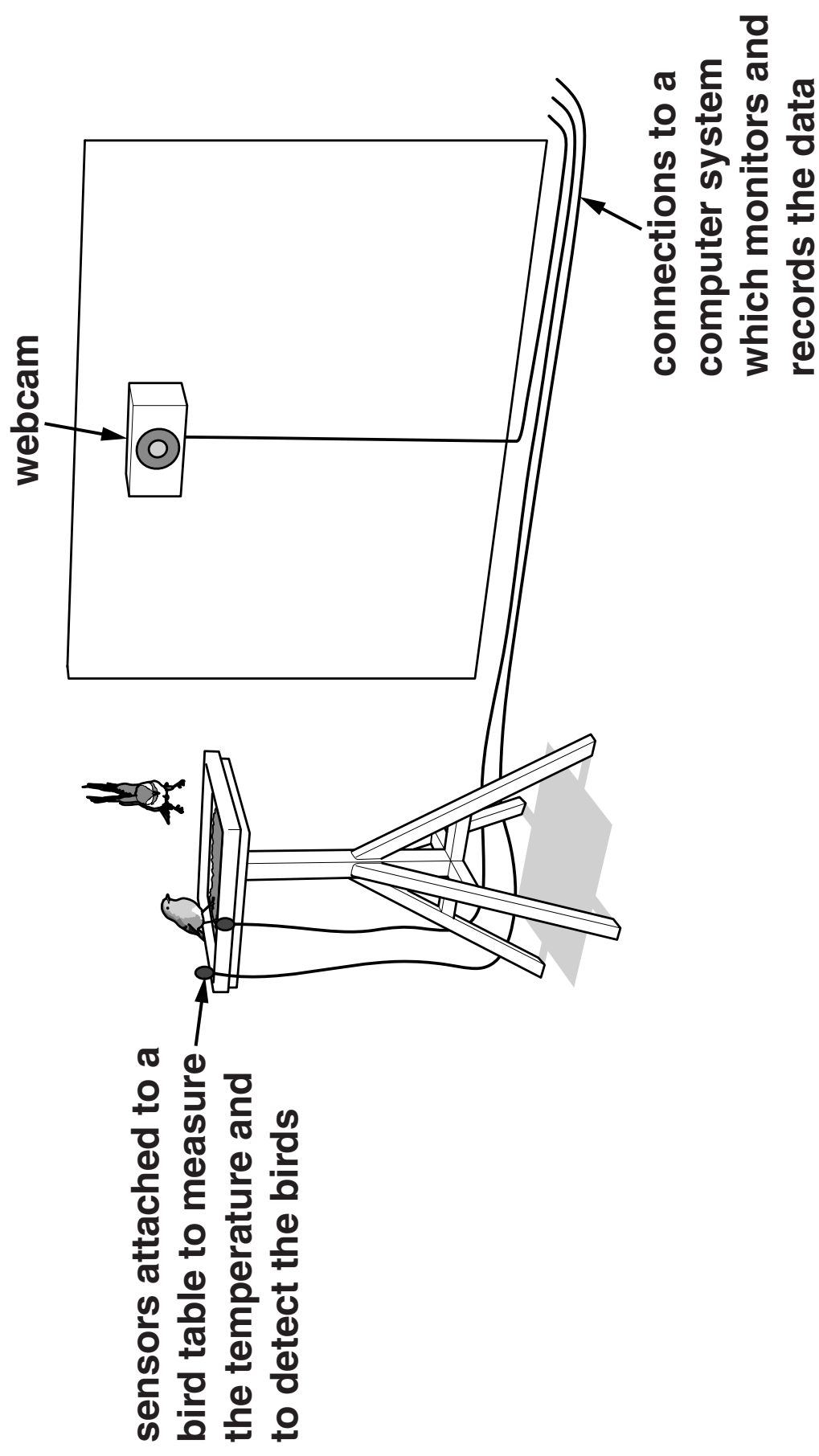
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**[2]**

**FIG. 1**



### 3 (cont'd)

The computer system collects data between 09:00 and 12:00. Lizzie wants to use some of the data in a presentation to her class at school.

The tables below show some of the data.

**Table 1**

<b>Time interval</b>	<b>Number of visiting birds</b>
<b>09:00 to 09:30</b>	<b>1</b>
<b>09:30 to 10:00</b>	<b>6</b>
<b>10:00 to 10:30</b>	<b>12</b>
<b>10:30 to 11:00</b>	<b>10</b>
<b>11:00 to 11:30</b>	<b>9</b>
<b>11:30 to 12:00</b>	<b>8</b>

**Table 2**

<b>Time</b>	<b>Temperature (°C)</b>
<b>09:00</b>	<b>8.0</b>
<b>09:30</b>	<b>10.5</b>
<b>10:00</b>	<b>12.2</b>
<b>10:30</b>	<b>13.4</b>
<b>11:00</b>	<b>13.6</b>
<b>11:30</b>	<b>13.9</b>
<b>12:00</b>	<b>14.0</b>

**(c) Lizzie wants to use the data in these tables in a presentation to her class at school.**

**(i) Table 1 shows the number of visiting birds.**

**What type of chart would be MOST suitable for displaying this data?**

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**Give a reason for your choice of chart.**

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**[2]**

**(ii) Table 2 shows the temperature data.**

**What type of chart would be MOST suitable for displaying this data?**

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**Give a reason for your choice of chart.**

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**[2]**

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[6]

**(d) Describe TWO OTHER appropriate uses for the data collected from the sensors and the webcam shown in Fig. 1.**

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**[4]**

- 4 Complete the table below to give ONE appropriate use for EACH of the devices shown.**

<b>Device</b>	<b>Appropriate use for the device</b>
<b>A4 scanner</b>	
<b>External hard disk</b>	
<b>Touch pad</b>	
<b>USB flash memory card</b>	

**[4]**

- 5 Eve is creating a digital video on her laptop when the laptop appears to stop working. Eve is worried that the laptop has ‘frozen’ and her work has been lost.**

**(a) Give TWO reasons why Eve’s laptop might have ‘frozen’.**

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

\_\_\_\_\_

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

\_\_\_\_\_

**[2]**

**(b) Explain ONE way that Eve could try to solve this problem and continue to create her digital video.**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**[2]**

**6 Tick ONE box in each row to show whether the task is an example of validation or verification.**

<b>Example</b>	<b>Validation (✓)</b>	<b>Verification (✓)</b>
<b>A password is entered twice when creating a new online account</b>		
<b>Copying the date of birth of a new club member into a database and checking that it is the same as on the membership form</b>		
<b>Entering a house number of 2 into a street database and receiving the message that houses in that street start at number 10</b>		
<b>Entering data by choosing from a drop down list</b>		
<b>Not being able to submit an online form because you haven't entered all of the required data</b>		

**[5]**

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**7\* Explain the social and ethical implications of the electronic transmission of personal information.**

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

**[8]**

[illegible]

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- 8 **Fig. 2 shows a set of rules given to a new worker in an office.**

**FIG. 2**

**Make sure you follow these rules for making backups of your files.**

**Rule 1: back up your work every hour**

**Rule 2: make more than one backup each time**

**Rule 3: use a sensible file name for each backup**

**Rule 4: keep your backups separate from your work area**

**Give ONE reason for each of these rules.**

**Rule 1: back up your work every hour**

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**Rule 2: make more than one backup each time**

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**Rule 3: use a sensible file name for each backup**

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**Rule 4: keep your backups separate from your work area**

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**[4]**

**9\* Cloud storage can be used to store files remotely.**

**Describe, using appropriate examples, the benefits and drawbacks of using remote storage systems for storing files.**

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

**[8]**

[illegible]

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**END OF QUESTION PAPER**

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