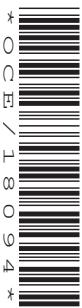**F**

OCR
RECOGNISING ACHIEVEMENT

GENERAL CERTIFICATE OF SECONDARY EDUCATION

INFORMATION AND COMMUNICATION TECHNOLOGY
ICT B
(Foundation Tier)

2380/01

**Monday 28 June 2010
Afternoon**

Duration: 1 hour

Candidate Forename		Candidate Surname	

Centre Number						Candidate Number				

INSTRUCTIONS TO CANDIDATES

* Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes above.
* Use black ink. Pencil may be used for graphs and diagrams only.
* Read each question carefully and make sure that you know what you have to do before starting your answer.
* Answer **all** the questions.
* Do **not** write in the bar codes.
* 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 **55**.
* No marks will be awarded for using brand names of software packages or hardware.
* This document consists of **12** pages. Any blank pages are indicated.

OCR is an exempt Charity

Turn over

1 Draw a line to link each type of software to its main use.

You should only draw **seven** lines.

Type of software   **Main use**

| Database | | Used when a lot of text needs to be entered. |

| Desk Top Publishing (DTP) | | Used to organise collections of data stored on a computer system. |

| Presentation software | | Used to create and manipulate images. |

| Graphics software | | Used to model situations such as a company budget. |

| Spreadsheet | | Used to easily create HTML pages. |

| Web design software | | Used to produce leaflets, books, newspapers and advertisements. |

| Word processor | | Used to show graphics and text for a presentation. |

[7]

2 Staff at EnviroMax use ICT for most of their work.

(a) Other than research, state **three** activities staff would use the internet for.

1 ....

....

2 ....

....

3 ....

.... **[3]**

In order to carry out their work, staff at EnviroMax use a range of input and output devices.

(b) Name **three** manual input devices.

1 ....

....

2 ....

....

3 ....

.... **[3]**

(c) Name **three** automated input devices.

1 ....

....

2 ....

....

3 ....

.... **[3]**

(d) Name **two** output devices.

1 ....

....

2 ....

.... **[2]**

Turn over

3 The staff at EnviroMax use a range of research techniques.

(a) Give **three** possible advantages of using the internet to find information rather than looking up the information in books.

1 ....

....

2 ....

....

3 ....

.... **[3]**

(b) Describe how you would find information about the environment using the internet.

....

....

....

.... **[2]**

(c) Give **two** possible reasons why staff at EnviroMax will still use books to look up information.

1 ....

....

2...

.... **[2]**

(d) Give **one** resource, other than the internet or books, that staff at EnviroMax could use to look up information.

....

.... **[1]**

4 **(a)** Explain what is meant by the term 'computer virus'.

....

....

....

....

....

.... **[3]**

(b) State **three** ways that staff at EnviroMax could prevent viruses on their computer systems.

Way 1 ....

....

Way 2 ....

....

Way 3...

.... **[3]**

5 EnviroMax offers advice to companies on how to use computers in an environmentally friendly way.

Give **two** ways a company can help to protect the environment when disposing of old computers.

Way 1 ....

....

Way 2 ....

.... **[2]**

6 EnviroMax promotes the use of data logging and control systems to ensure efficient energy use. The definitions given below are all related to data logging and control systems used.

Draw a line to link each term with the correct definition.

You should only draw **five** lines.

Term	**Definition**
Calibrate	The time taken between the first reading being taken and the last reading being taken.
Data logging	An input device used to measure environmental conditions.
Feedback	Collecting and storing of data at regular fixed intervals over a period of time.
Logging period	The modification or control of a process or system by its results or effects.
Sensor	To match the readings of a sensor against those of a known standard.

[5]

7 EnviroMax promotes the use of laptops rather than desk top computers because this reduces the effect on the environment.

(a) Give **one** reason why laptops are more environmentally friendly when in use, compared to desk top computers.

....

.... **[1]**

(b) EnviroMax is an international company and conducts most of its meetings using video-conferencing facilities.

(i) State **two** benefits to the company of video-conferencing.

1 ....

....

2 ....

.... **[2]**

(ii) State **two** limitations to the company of video-conferencing.

1 ....

....

2 ....

.... **[2]**

Turn over

8 EnviroMax uses validation techniques.

Tick the **three** boxes that correctly describe validation.

Description	Tick **three** boxes only
Data validation is the checking of data during output	
Validation checks that data is correctly spelt	
Data validation is the checking of data during input	
During validation the data is checked by software	
Validation checks that data is reasonable	
During validation the data is checked by hardware	
Validation checks that data is totally correct	
Data validation is the checking of data during processing	
During validation the data is checked by people	

[3]

9 EnviroMax is conducting a survey of small businesses to explore computer recycling.

In the space provided design a web capture form for the EnviroMax website.

The following data is required.

- Name
- Number of computers in the business
- Age of computers
- Type of monitors used
- Average number of hours used per day

You should also add **two** questions of your own.

[8]

10

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11

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