

Candidate Forename		Candidate Surname	
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Centre Number						Candidate Number				
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**OXFORD CAMBRIDGE AND RSA EXAMINATIONS
GENERAL CERTIFICATE OF SECONDARY EDUCATION**

2380/01

**INFORMATION AND COMMUNICATION
TECHNOLOGY**

ICT B (Foundation Tier)

MONDAY 28 JUNE 2010: Afternoon

DURATION: 1 hour

SUITABLE FOR VISUALLY IMPAIRED CANDIDATES

Candidates answer on the Question Paper

OCR SUPPLIED MATERIALS:

Insert 2380/01 (inserted)

OTHER MATERIALS REQUIRED:

Flowchart stencil

Candidates pre-prepared materials

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES

- **Write your name clearly in capital letters, your Centre Number and Candidate Number in the boxes on the first page.**
- **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.**
- **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.**

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]

End of Question 1 (Total 7 marks)

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]**

End of Question 2 (Total 11 marks)

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]

End of Question 3 (Total 8 marks)

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]

End of Question 4 (Total 6 marks)

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]**

End of Question 5 (Total 2 marks)

- 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.

<u>TERM</u>	<u>DEFINITION</u>
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]

End of Question 6 (Total 5 marks)

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]

End of Question 7 (Total 5 marks)

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]

End of Question 8 (Total 3 marks)

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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.

Question 9 continued

[8]

End of Question 9 (Total 8 marks)

End of Examination: 55 marks



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