

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

**2380/02**

**INFORMATION AND COMMUNICATION  
TECHNOLOGY**

**ICT B  
(Higher Tier)**

**MONDAY 28 JUNE 2010: Afternoon**

**DURATION: 1 hour 30 minutes**

**SUITABLE FOR VISUALLY IMPAIRED CANDIDATES**

**Candidates answer on the Question Paper**

**OCR SUPPLIED MATERIALS:**

**Insert 2380/02 (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 80.**
- **No marks will be awarded for using brand names of software packages or hardware.**

- 1 **State the type of software that you would recommend for each of the tasks shown in the table below.**

**You should state the type of software that would perform the task most efficiently.**

**DO NOT use brand names.**

<b>TASK</b>	<b>TYPE OF SOFTWARE</b>
<b>To store customer data for mail merged letters</b>	
<b>To develop a website</b>	
<b>To calculate cost savings</b>	
<b>To access a web log</b>	
<b>To produce colour separations for a leaflet</b>	

**[5]**

**End of Question 1**  
**[Total: 5 marks]**

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**2 EnviroMax have a company policy on how to use computers in an environmental way.**

**Under each heading give TWO statements for the company policy that would help protect the environment.**

**Company policy for staff using ICT**

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

**Statement 2** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ **[2]**

**Company policy on computer settings**

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

**Statement 2** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ **[2]**

## Company policy on hardware replacement

Statement 1 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Statement 2 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ [2]

**End of Question 2**  
**[Total: 6 marks]**

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**3 Staff at EnviroMax use a wide range of software applications with macro capabilities.**

**Describe what is meant by the term macro, and give an example of where the use of a macro would be appropriate for the company's needs.**

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**[6]**

**End of Question 3**  
**[Total: 6 marks]**

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**4 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.**

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

**Benefit 2** \_\_\_\_\_  
\_\_\_\_\_ [2]



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

Limitation 1 \_\_\_\_\_

\_\_\_\_\_

Limitation 2 \_\_\_\_\_

\_\_\_\_\_ [2]

**End of Question 4**  
**[Total: 5 marks]**

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**5 EnviroMax use the internet for communication and for information publication.**

**(a) State THREE ways EnviroMax staff can communicate with each other using the internet. For each way give an example of how this would be useful to EnviroMax.**

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

\_\_\_\_\_

\_\_\_\_\_

**Example** \_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

**Example** \_\_\_\_\_

\_\_\_\_\_

**Way 3** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Example** \_\_\_\_\_

\_\_\_\_\_ [6]

**(b) State TWO ways EnviroMax staff can use the internet for publishing and retrieving information.**

**For each way give an example of how this would be useful to EnviroMax.**

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

\_\_\_\_\_

\_\_\_\_\_

**Example** \_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

**Example** \_\_\_\_\_

\_\_\_\_\_ [4]

**(c) A student has found some information on the EnviroMax website.**

**What information should they give about the website in their bibliography?**

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**[2]**

**End of Question 5**  
**[Total: 12 marks]**

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**6 EnviroMax holds personal information about its customers.**

**(a) Describe ONE way a customer can request a copy of their personal data.**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ [2]

**(b) State TWO checks the company must carry out before it issues the personal data.**

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

\_\_\_\_\_

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

\_\_\_\_\_ [2]

**(c) Why might you have to pay for a copy of your personal data?**

\_\_\_\_\_

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

**End of Question 6**  
**[Total: 5 marks]**

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**7 EnviroMax advises its business customers to buy computer equipment that will last a long time.**

**State TWO reasons why the lifespan of computer equipment is important.**

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

\_\_\_\_\_

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

\_\_\_\_\_ **[2]**

**End of Question 7  
[Total: 2 marks]**

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**8 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 8 Continued

[8]

**End of Question 8**  
**[Total: 8 marks]**

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**9 EnviroMax is helping a mail order business customer, TravelMate, to automate its data entry procedures.**

**TravelMate will replace a manual system with a web-based ordering system. All order details entered by its customers will be validated and may be verified.**

**The following fields are needed:**

- Title**
- Surname**
- HouseNumber/Name**
- AddressOne**
- AddressTwo**
- Postcode**
- ProductCode**
- ProductDescription**
- ProductPrice**
- Quantity**

**(a) Explain what is meant by the term verification.**

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**[2]**

**(b) Explain what is meant by the term validation.**

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[2]

**(c) Explain how data entered into the field 'Quantity' should be validated.**

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[3]

**(d) Explain why data entered into the field 'Surname' should be verified.**

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[2]

- (e) Name TWO fields where a drop-down list would be appropriate to choose the data to be entered, and explain why.

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[3]

- (f) (i) Name a field where data entered by the customer could trigger automatic entry of data into two other fields.

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[1]

- (ii) Name TWO fields where the data would then appear automatically.

Field 1 \_\_\_\_\_

Field 2 \_\_\_\_\_ [2]

(iii) Give TWO benefits of automatic data entry.

Benefit 1 \_\_\_\_\_

\_\_\_\_\_

Benefit 2 \_\_\_\_\_

\_\_\_\_\_ [2]

**End of Question 9**  
**[Total: 17 marks]**

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**10 EnviroMax complies with the Data Protection Act.**

**(a) State TWO purposes of data protection legislation.**

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

\_\_\_\_\_

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

\_\_\_\_\_ [2]

**(b) What is meant by the following terms?**

**(i) Data Subject**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ [2]

**(ii) Data Controller**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ [2]

(c) State TWO of the main roles of the Information Commissioner.

Role 1 \_\_\_\_\_

\_\_\_\_\_

Role 2 \_\_\_\_\_

\_\_\_\_\_ [2]

**End of Question 10**  
**[Total: 8 marks]**

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**11 The EnviroMax website uses a menu driven interface on a black screen.**

**(a) Describe the environmental benefits of using a black screen.**

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[2]

**(b) Explain TWO benefits of a menu driven interface for the users of the website.**

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

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

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[2]



**(c) Describe another type of user interface and give an example of its use.**

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**[2]**

**End of Question 11**  
**[Total: 6 marks]**

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**End of Examination: 80 marks**

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