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**Tuesday 17 January 2012 – Morning**

**GCSE INFORMATION AND COMMUNICATION TECHNOLOGY**

**2380/01 ICT B (Foundation Tier)**

Candidates answer on the Question Paper.

**OCR supplied materials:**

- 2380/01/PRE (inserted)

**Other materials required:**

- Flowchart stencil
- Candidates pre-prepared materials

**Duration: 1 hour**



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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**INSTRUCTIONS TO CANDIDATES**

- The Insert will be found in the centre of this document.
- Write your name, centre number and candidate number in the boxes above. 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).
- Do **not** write in the bar codes.

**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 **8** pages. Any blank pages are indicated.

- 1 Tick **one** box in each row to show whether the device is:
- an input device
  - an output device
  - a storage device.

Device	Input	Output	Storage
Digitiser tablet			
Hard disk drive			
Keyboard			
LCD Data Projector			
Scanner			
Webcam			

[6]

- 2 Greene Tech has a number of web templates. One of the users accidentally saves a completed document over one of the template files.

Explain **two** methods that could be used to prevent loss of a template file in this way.

1 .....

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2 .....

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..... [4]

- 3 (a) State **three** possible ways Greene Tech customers could access the Internet.

1 .....

.....

2 .....

.....

3 .....

..... [3]

(b) Give **two** advantages and **one** disadvantage to Greene Tech of developing an online newsletter rather than a paper-based newsletter.

Advantage 1 .....

.....

Advantage 2 .....

.....

Disadvantage .....

..... [3]

4 Some of the customers of Greene Tech have found viruses on their computers.

(a) Explain what is meant by the term 'computer virus' and how customers' computers might have been infected.

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..... [4]

(b) Give **two** ways customers could prevent a computer virus infecting their computers.

1 .....

.....

2 .....

..... [2]

- 5 You have been asked to create a database to explore customer details.

Part of the database used by Greene Tech is shown in the table below.

Customer Number	Sort Code	Title	Surname	First Name	Address line 1	Address line 2	Postcode
10766	SP1	Ms	Cushing	Sally	123 North Road	Wordsworth	WW1 2DP
10337	BR1	Mrs	Lee	Kim	5 Elm Avenue	Williamsville	WV7 3BR
10436	SP1	Ms	Smith	Jo	17 Bridge Road	Wordsworth	WW4 8LP
10682	CU3	Mr	Smith	John	9 Acacia Avenue	Wordsworth	WW3 8RD
10145	BR1	Miss	Williams	Noreen	19 Green Road	Bellfort	BB5 9EL

- (a) Explain why the customer number field is needed.

.....

.....

.....

..... [2]

- (b) Which field has the data been sorted on?

..... [1]

- (c) State **one** field where a look-up check could be used for data entry.

..... [1]

- (d) Greene Tech wants new customers to be able to join using the website. Design a data capture form that could be used on a web page to collect the data about a new customer.

The data will be automatically entered into the database.

You must include:

Title  
Surname  
First Name  
Address  
Postcode  
Mobile number  
Email address

Design your data capture form on the page below.

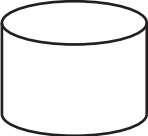
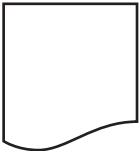

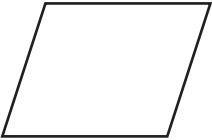
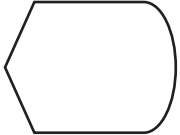
**[8]**

6 Systems designers use systems flow charts.

The table below shows symbols that have been used in a system flow chart for the Greene Tech computing system.

Draw lines to connect each symbol to its appropriate use.

The first one has been done for you.

Symbol	Appropriate Use
	Check product availability
	Input details of a new product
	Print a copy of a catalogue
	Save customer details to hard disk
	View online catalogue

[4]

7 Greene Tech uses digital images to show its products to customers.

Describe the process of capturing digital images for use on a computer.

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[3]

8 Tick **one** box in each row to show whether the statement is true or false.

Statement	True	False
A blog can be used by anyone to reach a large audience		
A chat is an offline conversation between many computer users		
A Tweet is designed for company communication		
Online discussion forums are designed to build online communities of people with similar interests		
When you send an email both people have to be online at the same time		
When you send an email using email software it is automatically saved on your system		
When you take part in a chat you can set your system so that a record of the chat is saved		

[7]

9 Greene Tech promotes itself as an environmentally friendly company.

State **two** ways that the use of ICT can improve the environmental impact of the company.

For each way, give a reason.

1 .....

Reason

.....  
 .....

2 .....

Reason

.....  
 .....

[4]

10 Greene Tech has a database containing data about its customers.

Give **three** of the data protection principles Greene Tech must follow.

1 .....

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2 .....

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3 .....

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..... [3]



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