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2380/01

GENERAL CERTIFICATE OF SECONDARY EDUCATION

INFORMATION AND COMMUNICATION TECHNOLOGY

ICT B (Foundation Tier)

FRIDAY 6 JUNE 2008

Morning
Time: 1 hour

Candidates answer on the question paper
Additional materials (enclosed): Insert 2380/1 & 2/PRE

Additional materials (required):
Flowchart stencil
Candidates pre-prepared materials

CUP/T39436

Candidate Forename		Candidate Surname	
Centre Number		Candidate Number	

INSTRUCTIONS TO CANDIDATES

- Write your name in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use blue or 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.

INFORMATION FOR CANDIDATES

- The number of marks for each question 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.

FOR EXAMINER'S USE	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
TOTAL	

This document consists of **11** printed pages, **1** blank page and an Insert.

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[Turn over

1 For each device shown below, tick the box to show whether the device is:

- an input device
- an output device
- a storage device.

Device	Input	Output	Storage
Mouse			
Printer			
Hard disk drive			
Monitor			
Digital camera			
Keyboard			

[6]

2 Exotic Holidays communicates with customers electronically.

(a) State **two** advantages of using electronic means of communication with customers.

Advantage 1.....

.....

Advantage 2.....

.....[2]

(b) State **two** disadvantages of using electronic means of communication with customers.

Disadvantage 1.....

.....

Disadvantage 2.....

.....[2]

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3 To access the catalogue customers need to have access to the Internet.

(a) State **three** possible ways Exotic Holidays' customers could access the Internet.

1.....

.....

2.....

.....

3.....

.....[3]

(b) Give **two** advantages and **one** disadvantage to a customer of using an on-line holiday catalogue rather than a paper-based catalogue.

Advantage 1.....

.....

Advantage 2 .....

.....

Disadvantage .....

.....[3]

(c) To book a holiday on-line you would use both a screen and a printer.

Explain why **both** of these devices are used.

Use examples to illustrate your answer.

.....

.....

.....

.....

.....

.....[4]

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4 Some of the customers of Exotic Holidays have found viruses on their computers.

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

.....

.....

.....

.....[4]

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

1 .....

.....

2 .....

.....[2]

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TURN OVER FOR NEXT QUESTION

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5 You have been asked to create a database to explore holiday options.

Part of the database structure is shown below.

Field name	Field Type	Choices
Name	Text	
Most like to visit	Look-up	Africa, Asia, Europe
Most interested in	Look-up	Sport, science, history, music, animals, art
Preferred type of holiday	Look-up	Beach, city, ski, adventure
Preferred month	Look-up	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sept, Oct, Nov, Dec
Maximum length of holiday (number of days)	Number	
Any health issues	Free Text	
Gender	Look-up	Male, female

Using the space provided on the next page (page 7) design a questionnaire that could be given to a group of teenagers to see what type of holiday would best suit the group.

The questionnaire results will be entered into the database.

You should add one other appropriate field of your own.

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The space below is for your questionnaire design.

[8]

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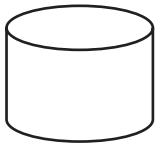
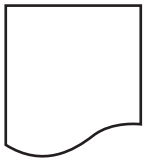
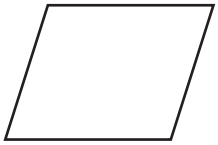
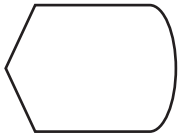
6 Systems designers use systems flow charts.

The table below shows symbols that have been used in a system flow chart for the Exotic Holidays' booking system. Draw lines to connect each symbol to its appropriate use.
One has been done for you.

Symbol	Appropriate Use
	Check holiday availability
	Input details of new hotel
	Print a copy of a holiday booking form
	Save customer details to hard disk
	View holiday catalogue

[4]

7 Exotic Holidays uses digital images to show customers its holiday destinations.

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

.....

.....

.....

.....[3]

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8 Tick the boxes in the table below to show the statements that are **true** for each device.

	Card reader	**Hard Disk Drive**	**DVD rewriter**	**DVD player**
Can only read data				
Reads cards that can be inserted into digital cameras				
Can change data				

[5]

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9 The table below shows part of the design of a spreadsheet used to convert currency.

	A	B	C	D
1	Country	Value in £	Exchange rate	Converted amount
2	Turkish Lira		2.6317	=b2*c2
3	Chilean Peso		919.9089	
4	Chinese Yuan		13.5647	
5	Icelandic Krona		121.3700	
6	Jamaican Dollar		113.9373	
7				
8				
9				
10				
11				
12				
13				

(a) State the row that the Chilean Peso calculation is shown on.

.....[1]

(b) State the cell reference that shows a formula.

.....[1]

(c) State the formula that would be used to calculate the converted amount for the Jamaican dollar.

.....[2]

(d) State the cell the operator would need to change if the Icelandic Krona exchange rate altered.

.....[1]

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10 Exotic Holidays promotes itself as an environmentally friendly travel company.

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

For each way give a reason for your selection.

1 .....

Reason

.....

.....

2 .....

Reason

.....

.....[4]

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