

**GENERAL CERTIFICATE OF SECONDARY EDUCATION
INFORMATION AND COMMUNICATION
TECHNOLOGY**

2357/02

Paper 1
(Higher Tier)

Candidates answer on the question paper

OCR Supplied Materials:
None

Other Materials Required:
None

**Tuesday 19 May 2009
Afternoon**

Duration: 1 hour 15 minutes



Candidate Forename		Candidate Surname	
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Centre Number						Candidate Number				
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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.
- Additional answer space is available on the lined pages at the back of this booklet. Answers on these pages **must** be clearly numbered.

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 **60**.
- This document consists of **12** pages. Any blank pages are indicated.

- 1 The spreadsheet below is used to work out the costs of buying some new items for a computer room.

	A	B	C	D	E
1					
2	Item	Number	Price Each	Total Cost	
3					
4	Monitor	29	£89.67	=B4*C4	
5	Mouse	26	£6.18		
6	Mouse mat	26	£3.25		
7	Chair	30	£9.95		
8					
9			Total Cost of all items		
10					

- (a) A formula is to be used in cell D9 to calculate the total cost of all the items.

Give the most suitable formula for cell D9.

..... [2]

- (b) Cells D4 to D9 should be formatted as currency.

- (i) Describe how this is done.

.....

 [3]

- (ii) Give **one** advantage of using formatting to display the numbers as currency.

.....
 [1]

2 A new graphics package is to be developed.

(a) Give **three** pieces of evidence that the developer could use to prove that the package meets user requirements.

- 1
-
- 2
-
- 3
- [3]

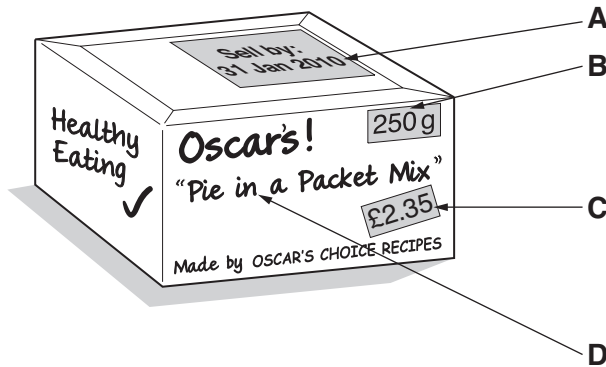
(b) State **three** methods that could be used to try to prevent illegal copying of the graphics package software.

- 1
-
- 2
-
- 3
- [3]

(c) Give **two** ways that buyers can avoid the risk of viruses when obtaining and installing the graphics package.

- 1
-
- 2
- [2]

3 A database is being created to store details of grocery items. One item is shown below.



(a) Tick **one** box in each row to show the most suitable data type to be used for storing the data shown.

Data at	Real Number (✓)	Integer (✓)	Text (✓)	Date (✓)
A				
B				
C				
D				

[4]

(b) The database is to include a field for healthy eating. Data is to be entered into this field as 'Y' or 'N' instead of in full as 'Healthy Eating' or 'Not Healthy Eating'.

Give **two** reasons why this is done.

Reason 1

.....

Reason 2

..... [2]

4 A family has a number of computers in their home connected together in a network.

(a) Give **three** advantages to the family of having these computers connected in a network.

Advantage 1

.....

Advantage 2

.....

Advantage 3

..... [3]

(b) Give **two** disadvantages to the family of having these computers connected in a network.

Disadvantage 1

.....

Disadvantage 2

..... [2]

5 Microprocessors are used to control many household devices.

Explain, using examples, the benefits of this.

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [4]

7 A designer uses Computer Aided Design (CAD) to design the case of a new mobile phone.

Identify **three** features found **only** in CAD packages and explain why the designer would use them.

Feature 1

.....

.....

.....

Feature 2

.....

.....

.....

Feature 3

.....

.....

..... [6]



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