

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

**2359/02**

Paper 3 (Higher Tier)

Candidates answer on the Question Paper

**OCR Supplied Materials:**  
None

**Other Materials Required:**  
None

**Monday 28 June 2010  
Afternoon**

**Duration: 1 hour 15 minutes**



Candidate Forename		Candidate Surname	
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Centre Number						Candidate Number				
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**MODIFIED LANGUAGE**

**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.
- 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 **60**.
- No marks will be awarded for using brand names of software or hardware.
- This document consists of **12** pages. Any blank pages are indicated.

- 1 Tick **one** box in each row to show whether the activity is performed using utility software or application software.

Activity	Utility (✓)	Application (✓)
Creating a database		
Exploring options within a model		
Making a back up disk		
Moving a file from one disk directory to another		
Producing a word-processed document		

[5]

- 2 Describe each of the following data collection methods. Give a use for each method.

**OMR** .....

.....

**Use** .....

.....

**MICR** .....

.....

**Use** .....

..... [4]

3 Most supermarkets are now computerised.

(a) When a product is purchased the checkout operator needs to input details from the product.

(i) Identify **one** input device, other than a keyboard, which could be used for entering these details.

..... [1]

(ii) Give **two** reasons why this method is more useful than using a keyboard.

Reason 1 .....

.....

Reason 2 .....

..... [2]

(b) Customers can use credit or debit cards to pay for the goods.

(i) Identify **one** input device, other than a keyboard, which would be used for entering details from these cards.

..... [1]

(ii) Give **two** items of data which will be read by this device.

Item 1 .....

.....

Item 2 .....

..... [2]

Many supermarkets are changing to internet shopping.

- (c) Give **three** advantages to the **customer** of using internet shopping rather than shopping at a supermarket.

Advantage 1 .....

.....

Advantage 2 .....

.....

Advantage 3 .....

..... [3]

- (d) Internet shopping is changing the pattern of employment within the supermarket. Give **four** effects that the change from supermarket shopping is having on employment.

Effect 1.....

.....

Effect 2.....

.....

Effect 3.....

.....

Effect 4.....

..... [4]

- 4 Two types of network are a WAN and a LAN.  
Give **two** characteristics of each type of network.

**WAN**

1 .....

.....

2 .....

.....

**LAN**

1 .....

.....

2 .....

..... [4]

- 5 The ring network topology is used less than it was in the past.  
Explain why this has happened.

.....

.....

.....

.....

.....

.....

..... [3]









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