

Candidate Name	Centre Number	Candidate Number

WELSH JOINT EDUCATION COMMITTEE



CYD-BWYLLGOR ADDYSG CYMRU

ENTRY LEVEL CERTIFICATE

TYSTYSGRIF LEFEL MYNEDIAD

734/01

**Entry Level Certificate**

**INFORMATION AND COMMUNICATION TECHNOLOGY**

A.M. FRIDAY, 16 March 2007

(1 Hour)

**Examiner only**

<b>Total Marks</b>	
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**INSTRUCTIONS TO CANDIDATES**

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **all** questions in the spaces provided in this booklet.

If you have difficulty in reading a question, put up your hand and the teacher-in-charge will read it to you.

**INFORMATION FOR CANDIDATES**

The number of marks is given in brackets at the end of each question or part-question.

No certificate will be awarded to a candidate detected in any unfair practice during the examination.

Answer **all** questions in the spaces provided.

1. Name the following computer devices using the words given below. [5]

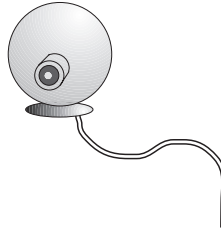
SCANNER

MICRO CHIP

WEBCAM

LAPTOP

JOYSTICK



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.....

.....

2. A cycle shop wishes to keep information about its customers on a computer using a **DATABASE**.

(a) In the spaces below write down **four** (4) **FIELDS** that could be used. [4]  
*An example has been done for you.*

Name of Customer				
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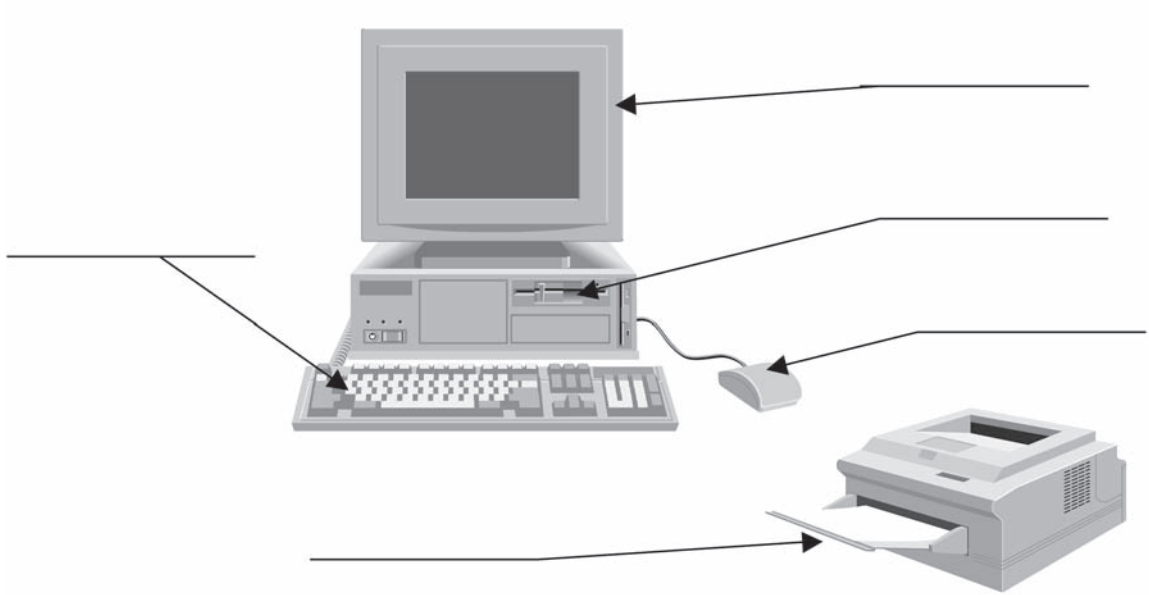
(b) List **two** (2) advantages of keeping all this information on a computer. [2]

(i) .....

(ii) .....

3. Label the diagram using the words given below.

[5]



MOUSE

MONITOR

KEYBOARD

DISK DRIVE

PRINTER

4. Tick (✓) **three** (3) ways of protecting personal data on a computer.

[3]

	Tick <b>three</b> boxes
Printing	
Using a Password	
Locking the doors	
Using a Spreadsheet	
Coding the data	

5. John is interested in football and makes a spreadsheet of information about the games won, lost and drawn of his favourite four football teams.

The spreadsheet is shown below.

	A	B	C	D	E
1	TEAM	WON	DRAWN	LOST	TOTAL GAMES PLAYED
2	Arsenal	4	4	3	11
3	Chelsea	4	1	4	
4	Cardiff	2	5	1	
5	Newcastle	3	6	5	

- (a) In cell **B4** there is **2**. What is in cell **D3**? ..... [1]

- (b) The formula for the **Total Games Played for Arsenal** is

$$B2 + C2 + D2$$

- Fill in column **E** with the correct totals for the other games played. [3]

- (c) What is the formula for the **Total Games Played for Newcastle**? [2]

.....

6. The **INTERNET** is now used in many homes.

- (a) Give **two** (2) advantages of using the **INTERNET**. [2]

(i) .....

(ii) .....

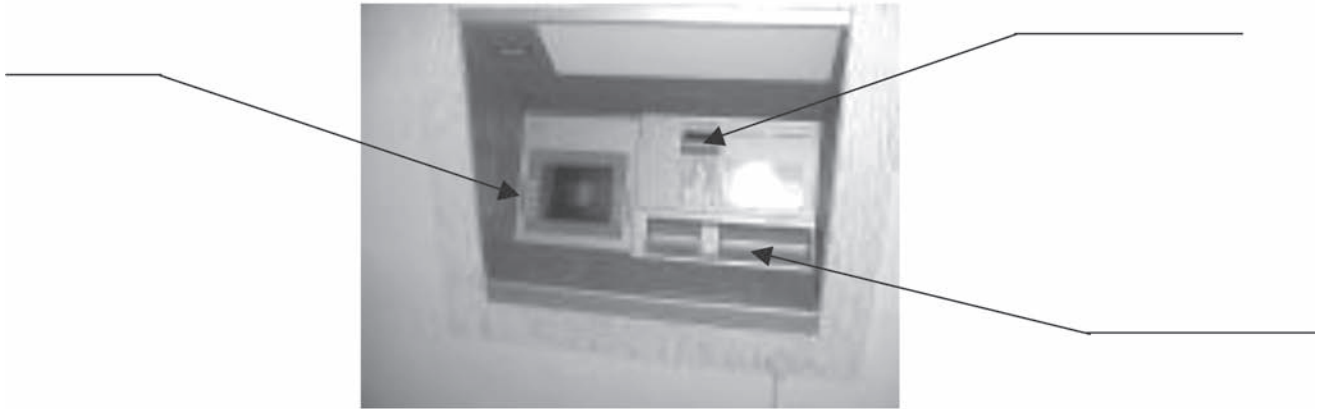
- (b) Give **two** (2) disadvantages of using the **INTERNET**. [2]

(i) .....

(ii) .....

7. The picture below is of a **Cashpoint machine**. It is used to get money from a bank account.

(a) Use the words below to label the diagram. [3]



**CARD SLOT**

**CASH DISPENSER**

**SCREEN**

(b) Give **two (2)** advantages of using a **Cashpoint**. [2]

(i) .....

(ii) .....

(c) Give **two (2)** disadvantages of using a **Cashpoint**. [2]

(i) .....

(ii) .....

8. **ROBOTS** are now used in many industries, for example car factories.

(a) Give **two** (2) advantages of using a **ROBOT** in the car industry. [2]

(i) .....

(ii) .....

(b) Give **two** (2) disadvantages of using a **ROBOT** in the car industry. [2]

(i) .....

(ii) .....

9. A school library uses a **DATABASE** to keep all the information on its books. Part of the database is shown below.

Reference Number	Title of Book	Publisher	Author	Category	Number in Stock
345	The Ice Cap	Penguin	J. Davies	Adventure	9
736	China Trains	Express	M. Jones	TTravel	4
456	The Kiss	School	B. Phillips	Romance	3
289	Castles	Penguin	S. Carter	History	0

(a) How many **RECORDS** are shown? ..... [1]

(b) How many **TEXT** fields are there? ..... [1]

(c) What are the names of the **NUMBER** fields? ..... [2]

.....

(d) There is a mistake in the **CATEGORY** field.  
What is the mistake and how could it have happened? [2]

.....

.....

(e) If the **REFERENCE NUMBER** is sorted into smallest first, what would be the **AUTHOR** of the **LAST** book? [2]

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10. We often hear the terms **COMPUTER VIRUS** and **COMPUTER HACKER**.

(a) What is a **COMPUTER VIRUS**? [2]

.....  
.....

(b) What is a **COMPUTER HACKER**? [2]

.....  
.....

(c) Give **two** (2) *reasons* why you should protect your data from computer viruses or computer hackers [2]

- (i) .....
- (ii) .....

11. A large Do It Yourself Store uses **Point of Sales** (PoS) at the checkout. All the goods are bar coded and scanned at the checkout.

(a) In the space below, draw a diagram of what a bar code looks like. [2]



(b) List **two** (2) advantages that this system gives the *customer*. [2]

- (i) .....
- (ii) .....

(c) List **two** (2) advantages that this system gives the *manager* of the store. [2]

- (i) .....
- (ii) .....