

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

**2357/01**

Paper 1 (Foundation Tier)

**MONDAY 14 JANUARY 2008**

Afternoon  
 Time: 1 hour

Candidates answer on the question paper  
**Additional materials:** No additional materials are required



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.
- Do **not** write outside the box bordering each page.
- Write your answer to each question in the space provided.
- Additional answer space is available on the lined page at the back of this booklet. Answers on this page **must** be clearly numbered.

**INFORMATION FOR CANDIDATES**

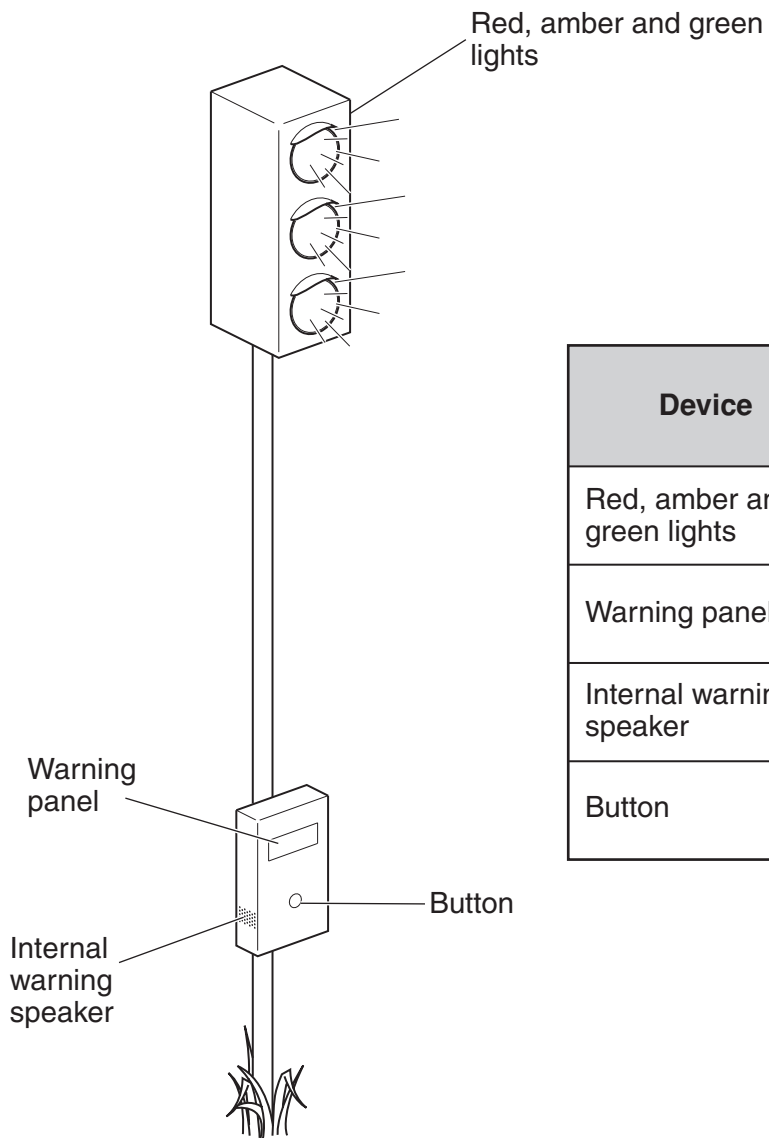
- The number of marks is given in brackets [ ] at the end of each question or part question.
- The total number of marks for this paper is **60**.
- No marks will be awarded for using brand names of software packages or hardware.

FOR EXAMINER'S USE	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
<b>TOTAL</b>	

This document consists of **11** printed pages and **1** lined page.

1 The drawing below shows some of the devices used in a pedestrian crossing.

Tick **one** box in each row to show whether the device is used for input or output.  
The first one has been done for you.



Device	Input (✓)	Output (✓)
Red, amber and green lights		✓
Warning panel		
Internal warning speaker		
Button		

[3]

3

2 Underline **two** items that can be used for storing data.

**CD-ROM**

**Hard disk**

**Keyboard**

**Plotter**

**Scanner**

[2]

3 Tick **one** box in each row to show whether the item is hardware or software.

<b>Item</b>	<b>Hardware (✓)</b>	<b>Software (✓)</b>
<b>CAD package</b>		
<b>Database</b>		
<b>Keyboard</b>		
<b>Mouse</b>		
<b>Virus checker</b>		

[5]

4 Three types of computer are shown below.



© OCR

Laptop Computer



© OCR

Personal Digital Assistant (PDA)



© OCR

Desktop Computer

Complete the table to show which of these computers is most suitable for each task.

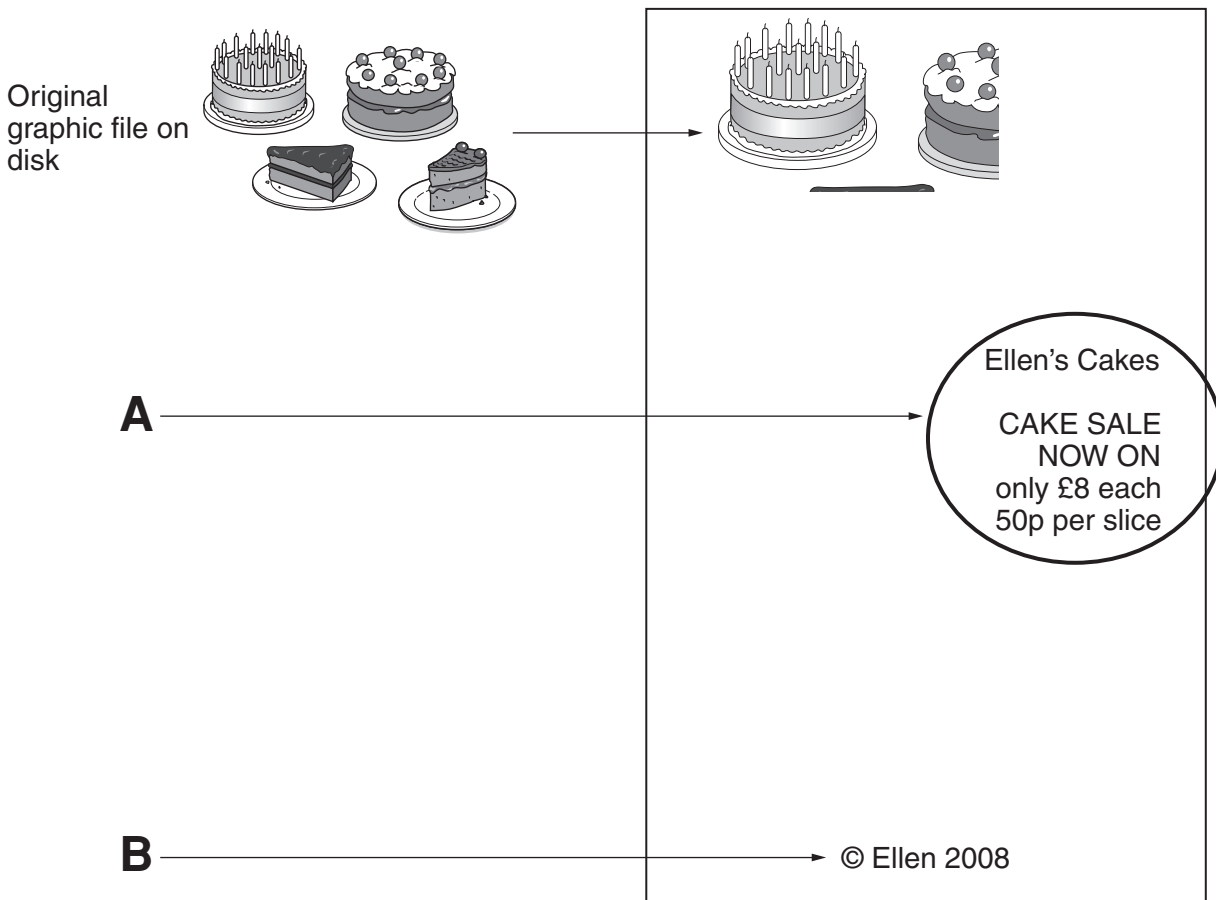
Task	Type of computer
Creating complex computer images in an office.	
Instant access to notes and reminders while on the move.	
Editing large video files.	
Word processing documents when travelling on a train.	

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

	True (✓)	False (✓)
Sensors are output devices.		
Emails always carry viruses.		
Information found on the Internet is always accurate.		
Computers can be used to record data collected in a traffic survey.		
Computer Assisted Learning (CAL) allows pupils to work at their own pace.		
Computer Aided Design (CAD) can be used to plan a new kitchen.		

[6]

6 Ellen is creating an advertisement. She uses a graphic and some text, which are stored in separate files on her hard disk.



(a) Give **one** way she could place the graphic into the document.

.....[1]

(b) Give **one** way that she has formatted the graphic in the document.

.....[1]

(c) Ellen positions the text by formatting it.

How is the text at **A** formatted?

.....[1]

(d) What does the information shown at **B** mean?

.....[1]

Ellen tries to send her work to the printer but no printout comes out.

(e) Give **two** reasons why this might have happened.

Reason 1 .....

.....

Reason 2 .....

.....[2]

Ellen saves her work and keeps a backup.

(f) What is a backup?

.....[1]

(g) State **one** situation where a backup would be useful.

.....[1]

(h) Give **two** pieces of advice about making backups that Ellen should follow.

1.....

.....

2.....

.....[2]

7 State **three** ways scanning software can be used to alter a scanned image.

Way 1 .....

Way 2 .....

Way 3 .....[3]

8 A school has a large number of computers connected together in a network.  
A user name and password are needed to access the computers.

(a) Why is a user name needed?

.....[1]

(b) Why is a password needed?

.....[1]

(c) State **two** pieces of advice that should be given to someone when they choose their password.

1.....

2.....[2]

(d) Give **two** problems that may be caused by having the computers connected together in a network.

Problem 1 .....

.....

Problem 2 .....

.....[2]





9 Part of a table from a database is shown below.

Forename	Family Name	Year Group	Form Group	DOB	Exam Score	Passed
Maroof	Jones	10	R	10 Jan 1969	58.34	Y
Simon	Helm	10	Q	26 Feb 1969	12.89	N
Marianne	Smogge	10	W	13 Mar 1969	65.67	Y
Adrienne	Quorry	10	W	10 Feb 1969	20.34	N

A

B

(a) Complete the sentences using the words in this list.

- record
- field
- sorting
- searching
- file

A is a.....

B is a.....

Finding all the people in Form Group W is called .....

The database is stored on disk in a .....

[4]

(b) Draw a line to link each of the examples of data to the most appropriate data type. One is done for you.

Example of data	Data type
13 March 1969	Boolean
Marianne	Real number
65.67	Date
Y/N	Text

[3]

10 Arthur is a graphics designer and works on many large images, both at home and in his office.

(a) Identify a suitable storage medium that he could use for transporting his files between his home and office.

.....[1]

(b) Give **two** reasons for your choice of storage medium.

Reason 1 .....

.....

Reason 2 .....

.....[2]

11 What is tele-conferencing?

.....

.....

.....

.....[2]

12 Anne wants to use a spreadsheet to predict future profits for her business.

Describe the features of spreadsheet software that would allow her to do this.

.....

.....

.....

.....

.....

.....

.....

.....[4]

