

GENERAL CERTIFICATE OF SECONDARY EDUCATION
INFORMATION AND COMMUNICATION TECHNOLOGY
 Paper 1 (Higher Tier)
MONDAY 14 JANUARY 2008

2357/02

Afternoon
 Time: 1 hour 15 minutes

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 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**.
- 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	
TOTAL	

This document consists of **10** printed pages and **2** lined pages.

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

Way 1

Way 2

Way 3[3]

2 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]

3 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 points to the first row (Maroof, Jones, 10, R, 10 Jan 1969, 58.34, Y).
 B points to the '10' in the 'Year Group' column of the row (Adrienne, Quorry, 10, W, 10 Feb 1969, 20.34, N).

(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

A line is drawn from 'Marianne' to 'Text'.

[3]

- 4 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]

- 5 What is tele-conferencing?

.....

.....

.....

.....[2]

- 6 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.

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.....

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.....[4]

