

Surname	Centre Number	Candidate Number
Other Names		2



GCE AS/A level

1241/01

**INFORMATION AND COMMUNICATION
TECHNOLOGY – IT1
Information Systems**

A.M. THURSDAY, 17 January 2013

2¼ hours

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen. Do not use pencil or gel pen. Do not use correction fluid.

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

Answer **all** questions.

Answers should be written in the spaces provided. Where the space is not sufficient for your answer use a continuation sheet, taking care to number the continuation correctly.

The intended marks for questions or part questions are given in brackets []. You are advised to divide your time accordingly. The total number of marks available is 80.

You are reminded of the necessity for good written communication and orderly presentation in your answers.

Quality of written communication will be assessed in question 8 (a).

Make sure you hand in your spreadsheet with this booklet at the end of the examination.

For Examiner's use only		
Question	Maximum mark	Mark awarded
1	6	
2	6	
3	4	
4	6	
5	6	
6	6	
7	8	
8	18	
9	4	
10	16	
Total	80	

1241-010001

SECTION A

Answer all questions.

1. An ICT system needs a good Human Computer Interface (HCI). Describe an actual use, an advantage, and a disadvantage for **each** of the following HCI.

(a) Biometric device

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(b) Command Line

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3. A large firm has installed a network.

(a) Other than *sharing peripherals* and *email*, describe **three** benefits that networking would give the firm. [3]

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(b) The firm also installs an Intranet. Define what is meant by the term Intranet. [1]

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4. A DVD hire business makes use of database software. Define **each** of the following functions of the software and give an appropriate example of how **each** could be used by the business.

(a) Query [2]

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(b) Report [2]

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(c) Import/export

[2]

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5. Companies use validation and verification methods to reduce data entry errors in their online shopping systems.

(a) Using an example, name and describe in detail **one** validation method used in online shopping systems. [3]

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(b) Define the term *verification*. Name and describe **one** verification method used in online shopping systems. [3]

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SECTION B

Answer all questions.

Examiner
only

9. (a) Define what is meant by *simulation modelling*.

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(b) Describe a specific use of simulation modelling in financial forecasting and give **two** advantages for this use.

[3]

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(b) Describe in detail **two** methods you used in your spreadsheet to ensure that incorrect data was not used in your spreadsheet. [6]

Examiner
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(c) Describe the purpose or function of **each** of the following used in your spreadsheet:

(i) Search

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(ii) Sort

[2]

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16

END OF PAPER

**ENSURE YOU ATTACH THE PRINTOUTS OF YOUR SPREADSHEET TO YOUR
EXAMINATION ANSWER PAPER**