

Surname	Centre Number	Candidate Number
Other Names		2



**GCE AS/A level**

1241/01

**INFORMATION AND COMMUNICATION TECHNOLOGY**

**IT1**

**INFORMATION SYSTEMS**

A.M. FRIDAY, 25 May 2012

2¼ hours

**INSTRUCTIONS TO CANDIDATES**

Use black ink or black ball-point pen.

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	8	
3	4	
4	6	
5	6	
6	5	
7	7	
8	18	
9	4	
10	16	
<b>Total</b>	<b>80</b>	











6. Hospitals make use of computer networks.

(a) Other than sharing *peripherals* and *email*, describe **three** benefits that using a computer network gives the hospital network manager. [3]

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(b) A hospital uses an Intranet.

Define the term *Intranet* and describe **one** advantage to the hospital of having an Intranet. [2]

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**SECTION B**

*Answer all questions.*

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

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(b) Describe the advantages and disadvantages of using *simulation modelling* in car crash analysis.

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(b) Describe the way you used a **VLOOKUP** function (or its variations) in your spreadsheet, giving **one** advantage and **one** disadvantage of using this function in your spreadsheet.

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(c) Describe **one** method of *validation error trapping* used in your spreadsheet.

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(d) (i) Describe a **SORT** used in your spreadsheet and state why you required the data to be sorted. [2]

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(ii) Describe a **GRAPH** used in your spreadsheet and the reason you put the data in the form of a graph. [2]

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