Candidate	Centre	Candidate
Name	Number	Number
		2



GCE AS/A level

1241/01

INFORMATION AND COMMUNICATION TECHNOLOGY

IT 1

INFORMATION SYSTEMS

P.M. TUESDAY, 18 May 2010 $2\frac{1}{4}$ hours

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

INSTRUCTIONS TO CANDIDATES

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

Answer all questions.

Write your answers in the spaces provided in this booklet. Where the space is not sufficient for your answer, continue the answer at the back of the book, 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.

You must refer to your own spreadsheet to answer Question 10.

SECTION A

Answer all questions

(a)	Command Line	
•••••		•••••
(b)	Graphical User Interface	
	Graphical User Interface	

. ((a)	The performance of a company has been improved by having up-to-date, accurate and complete information.
		Other than by aiding the decision making process, describe, using different examples, two ways in which good quality information can add value to the company. [2×2]
((b)	Describe two of the costs in terms of money, time and human resources in obtaining good quality information
	(b)	Describe two of the costs in terms of money, time and human resources in obtaining good quality information. Use a suitable, <i>different</i> example to illustrate your answer in each case. [2×2]
	(b)	quality information.
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		quality information.
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(1241-01)

	Rotate,	stress/strain,	wire drawing,	walkthrough	
Informati	on Systems an	re used to process larg	e amounts of data.		
(a) Ot	her than the		ing entered, describe	three factors affec	
(a) Ot	her than the	quality of data be	ing entered, describe	three factors affec	
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(1241-01)

<i>(b)</i>	ICT systems pro of ICT over man	ocess data faster the nual methods of da	hen manual systemata processing using	ems. Describe two ing suitable exampl	additional advantages es in each case. [2×2]

S10 1241 01

(a)	Explain in detail the difference between validation and verification.	
(b)	Describe, using suitable <i>different</i> examples how both validation and verificated reduce data entry errors in online shopping systems.	ation are us
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	reduce data entry errors in online shopping systems.	[-
	reduce data entry errors in online shopping systems.	[-

	tions of a database and give an appropriate example of its use in this context.	
<i>(a)</i>	Query	
<i>(b)</i>	Report	
<i>(c)</i>	Import/export	

(a)	Discuss the adventages and disadventages of networks, when used in the home	
(a)	Discuss the advantages and disadvantages of networks, when used in the home.	
•••••		
(T .)		
<i>(b)</i>	Describe the benefit of having access to the Internet at home.	

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<i>(a)</i>	Discuss the different methods of registration that are used in schools, looking at both benefits and drawbacks that they bring to schools.	the [8]

<i>(b)</i>	Discuss the benefits and drawbacks of using ICT to support teaching and learning uppropriate examples to illustrate your answer.	ising [10]
••••••		

SECTION B

Answer all questions

Weather fore the models ar	casting is one e created and t	area which n he advantage	ow uses sing and disadv	nulation mo antage of m	delling. De odelling in	scribe, in g this context	eneral, ho
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YOU MUST REFER TO YOUR OWN SPREADSHEET TO ANSWER THE FOLLOWING QUESTION.

IF NO SPREADSHEET EVIDENCE IS SUBMITTED THEN NO MARKS CAN BE AWARDED.

PLEASE ENSURE THAT YOU NUMBER THE PAGES OF YOUR EVIDENCE AND REFER TO THIS NUMBERING IN YOUR ANSWERS.

10. (a) Describe the purpose or function of **two** different formulas from *the list below*, which you have used in your spreadsheet. [2×2]

SINGLE IF, MULTIPLE IF, DATE, ROUND				
(b) (i)	Identify where you used a <i>macro</i> in your spreadsheet and describe its purpose.	[2]		

Describe two methods of <i>simplifying data entry</i> you used in your spreadsheet.	Give
different benefit for each method.	$[2\times 2]$

(d)	Identify and describe the purpose or function of two other <i>different</i> advanced processes you used in your spreadsheet. [2×2] Do not describe any formula, function or process used earlier in parts $10(a)$, (b) or (c)	

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