Candidate	Centre	Candidate
Name	Number	Number
		2



GCE AS/A level

1241/01 **New AS**

INFORMATION AND COMMUNICATION TECHNOLOGY ICT1 INFORMATION SYSTEMS

P.M. MONDAY, 12 January 2009 $2\frac{1}{4}$ hours

INSTRUCTIONS TO CANDIDATES

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 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.

For E	xaminer's us	e only
Question	Maximum mark	Mark awarded
1	7	
2	4	
3	6	
4	8	
5	5	
6	6	
7	6	
8	18	
9	4	
10	16	
Total	80	

SECTION A

Answer all questions.

You should describe a different use and benefit in parts (i) and (ii).	
(i) A touch sensitive screeen.	[2]
(ii) A biometric device.	[2]
Name an application which uses a voice interface and discuss any disadvantages assowith the use of voice interfaces.	ciated

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. 1	Datal	base programs are often used for stock control.	
	(a)	Some of the functions of the programs are mentioned below. State the purpose of exfunction and give an appropriate example of its use.	ach
		(i) query,	[2]
		(ii) report,	[2]
		(iii) import/export.	[2]
	(h)	Flat file databases are now less widely used. Give two advantages of a relational datab	
•		Flat file databases are now less widely used. Give two advantages of a relational datab approach over flat files.	[2]

Describe the improcessing syste	ms.				
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impa Servi	LAN's and WAN's are widely used in health care. Using suitable examples describe the ct these different types of networks are having upon the working practices in the Healthce.
CT ł	nas had a big impact on the home.
(a)	Illustrating your answer with suitable examples, discuss both the benefits and drawbacks of the impact of ICT on 'home entertainment'. [10]

(1241-01)

(b)	Discuss the impact of ICT on 'home banking'. In your answer, describe the advantage it has brought the householder, the facilities offered and the effects on bank workers.	s that [8]
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SECTION B

Answer all questions.

		ribe the benefits to be gained from using <i>spreadsheet software</i> for these purposes.	[4]
		YOU MUST REFER TO YOUR OWN SPREADSHEET TO ANSWER THE FOLLOWING QUESTION. IF NO SPREADSHEET EVIDENCE IS SUBMITTED THEN NO MARKS CAN BE AWARDED.	
10.	(a)	Describe the purpose or function of two different <i>formulas</i> from the following list, SU COUNT, MAX, MIN, AVERAGE, RAND, which you used in your spreadsheet.	J M . [4]

<i>(b)</i>	Describe in detail one method of simplifying <i>data entry</i> you created in your spreads stating two advantages and one disadvantage of using such techniques for entering data a spreadsheet.	sheet into [4]
(c)	Describe two methods of <i>validation error trapping</i> used in your spreadsheet.	[4]
•••••		

(<i>d</i>)	Describe the purpose or function of two other <i>different advanced processes</i> you used in you spreadsheet.
	In your answer do not describe any feature you gave in parts (a), (b) or (c).
EN	SURE YOU ATTACH THE PRINTOUTS OF YOUR SPREADSHEET TO YOUR

EXAMINATION ANSWER PAPER.