	Centre Number
Rewarding Learning ADVANCED SUBSIDIARY (AS) General Certificate of Education January 2014	Candidate Number
Information and Communication Technology	
Assessment Unit AS 1 assessing Module 1: Components of ICT	
[AP111]	*AP111*
FRIDAY 17 JANUARY, MORNING	
TIME 2 hours.	
INSTRUCTIONS TO CANDIDATES Write your Centre Number and Candidate Numbe	

Write you the top of this page. Write your answers in the spaces provided in this question paper. Complete in blue or black ink only. Do not write in pencil or with a gel pen.

INFORMATION FOR CANDIDATES

Answer all five questions.

The total mark for this paper is 120 including a maximum of 5 for quality of written communication.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.

8452

1		blicants for house insurance provide information about their property operty operty	' by	Examiner O Marks Rei	nly mark
	(a)	Explain how this form can be used as:			
		A direct data source			
		An indirect data source			
			_ [4]		
	(b)	Describe one benefit and one drawback of using an indirect data source.			
		Benefit			
		Drawback			
			[4]		
0.175				I	
8452					

The	e on-line form includes both data validation and data verification.	Examiner O Marks Rei
(c)	Apart from the use of a check digit, name and describe three different types of data validation.	
	Name	
	Description	
	Name	
	Description	
	Name	
	Description	
	[6]	
(d)	Explain the purpose of data verification.	
	[2]	
		[Turn o
		L

Showing all your working , state whether or not 12343 is a valid reference number.		
[5]		
[5]		
	Total Q	uestio

20AP11104

P

stu	college lecturer uses an interactive whiteboard to present a lesson to dents.	Examiner Only Marks Remark
(a)	Describe the main features of an interactive whiteboard.	
	[4]	
(b)	The lecturer saves a copy of the lesson on a USB memory pen.	
(0)		
(5)	Identify three features of a memory pen which make it suitable for this purpose.	
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(0)	Identify three features of a memory pen which make it suitable for this purpose.	
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	Identify three features of a memory pen which make it suitable for this purpose. 1	
	Identify three features of a memory pen which make it suitable for this purpose. 1	

(c)	Describe the main features of OMR.	
(0)		
	[4]	
(d)	Describe two benefits of using OMR in this case .	
()	1	
	2	
	2	
	[4]	

20AP11106

_ The	e college uses a multi-user operating system.		Examine Marks	er Only Remark
(e)	Explain the purpose of an operating system.			
		[2]		
(f)	Describe the main features of a multi-user operating system.			
		[4]		
			Total Qu	estion 2
3452			[Turi	n over

20AP11107

(a)	Describe how data is transferred on each of these networks.		Marks
	Bus network		
		—	
		_	
		_	
		_	
	Star network		
		_	
		_	
		_	
		_	
		[6]	

20AP11108

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(b)	Explain why a communications protocol is necessary when data is transferred between computer networks.	Examiner Only Marks Remark
	[4]	
		[Turn over
8452		

20AP11109

following are used on a network.	Examin Marks	er Only Remark
	[9]	

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A proxy server		
An IP address		

(c) Describe how each of

(d)	Describe the main features of Bluetooth technology.	Examir Marks	er Only Remark
	[4]		
(e)	Explain why fibre optic cable is suitable for use in data communication.		
	[3]		
		Tatal O	unation 2
		i otal Qi	uestion 3
152		[Tur	n ove

		ealth centre makes extensive use of ICT.	Ma	aminer O rks Rer
((a)	The centre manager uses a spreadsheet for financial planning.		
		Describe the main features of spreadsheet software which make it suitable in this case .		
			-	
			-	
			-	
			-	
			-	
			-	
			-	
			-	
			-	
			-	
		[6	-	
		[0	Ľ	
			L	

20AP11112

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(b)	Identify three reasons why passwords may not be effective.		
	1		
	2		
	3		
		_ [3]	
(c)	Explain how access rights could be used to keep patient records secure.		
		_ [4]	

(d)	Staff at the health centre must comply with ICT legislation.	Examine Marks	er Or Ren
	Name and describe the main features of two Acts specifically relating to ICT.		
	Name of Act		
	Description		
	Name of Act		
	Description		
	[8]		

20AP11114

Explain how a web page can be created using HTML.	nly nark
[4]	
[4]	
[4]	
[4]	
[4]	
[4]	
Total Question	on 4
8452	ver

An organisation requires new software.		Examiner Only
(a) Identify four benefits of choosing off-the-shelf software.	M	larks Remark
1		
2		
3		
4		
	[4]	
The organisation decides on a custom built system.		
(b) Identify two factors which should be taken into account whe	en decidina	
the feasibility of the proposed system.		
1		
2		
	[2]	
		<u>.</u>

20AP11116

(c)	Describe the activities which take place during the design stage.		Examin Marks	er Only Remark
		_		
		_		
		_		
		_		
	[·	4]		
8452			[Tur	n over

(d)	Documentation will be produced for the new system.	Examiner Only Marks Remark
	Describe each of the following:	
	Technical documentation	
	User documentation	
	User documentation	
	[6]	
8452		

L

(e) The new system will undergo testing.		Examiner Only Marks Remark
	Explain what is meant by each of the following:		
	Application testing		
	Acceptance testing		
		_ [6]	
		_ [']	
-			
_	THIS IS THE END OF THE QUESTION PAPER		Total Question 5
			Quality of written communication
8452			

20AP11119

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Question Number	Marks	
1		
2		
3		
4		
5		
QWC		
Total Marks		

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Examiner Number

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20AP11120

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