	Centre Number
Rewarding Learning	
	Candidate Number
General Certificate of Secondary Education 2014	
Information and Communication Technology (Full Course) Unit 3: Understanding ICT Systems in Everyday Use and its Implications for Individuals, Organisations, Society and the Wider World [GIT31] WEDNESDAY 14 MAY, MORNING	*GIT31*
TIME 2 hours.	
INSTRUCTIONS TO CANDIDATES	
Write your Centre Number and Candidate Number in the top of this page. Write your answers in the spaces provided in this qu Complete in blue or black ink only. Do not write in p Answer all eighteen questions.	estion paper.
INFORMATION FOR CANDIDATES The total mark for this paper is 180 . Figures in brackets printed down the right-hand side marks awarded to each question or part question. Quality of written communication will be assessed in 8 , 12(d) and 14(d) .	
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F			
For qu	uesti		Examiner Only
1 (a	i) WI	hich statement is true about a smartcard chip?	ž
	Α	A smartcard chip has less storage capacity than a magnetic stripe and data on a smartcard chip cannot be updated	i lanan R
	В	A smartcard chip has less storage capacity than a magnetic stripe and data on a smartcard chip can be updated	
	С	A smartcard chip has more storage capacity than a magnetic stripe and data on a smartcard chip can be updated	
	D	A smartcard chip has more storage capacity than a magnetic stripe and data on a smartcard chip cannot be updated	2 danne Ru 2 danne
		Answer [1]	AT December 2 Learnin
(b		well as a computer, the following are required to access the ernet:	2 A
	Α	Webcam, Telecommunications Line, Internet Service Provider	Zee
	В	Internet Service Provider, Telecommunications Line, Router	
	С	Telecommunications Line, Webcam, Router	2 Loonie
	D	Telecommunications Line, Internet Service Provider, Email	
		Answer [1]	j Lawara Province J Lawara
(c		hich of the following is not a function of a computer operating stem?	Res and a second s
	Α	It provides an interface for the user to interact with the hardware	
	В	It allocates RAM to programs and data	C.
	С	It controls peripheral devices	2 Learner
	D	It provides Internet access	
			7.6000
		Answer [1]	Pro
			Res and the second seco
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(d)		ect the statement which describes the function of a graphics itiser.	Examiner Only Marks Remar
	Α	A graphics digitiser prints high quality graphics	
	В	A graphics digitiser connects the monitor to the motherboard	
	С	A graphics digitiser is the main electronic circuit board in a computer	
	D	A graphics digitiser uses a stylus to input data	
		Answer [1]	
(e)	Exp	band the acronym USB:	
	Α	A Universal Serial Byte	
	В	A Uniform Serial Byte	
	С	A Universal Serial Bus	
	D	A Uniform Serial Bus	
		Answer [1]	
(f)	Sel	ect the statement which is true about flash memory technology.	
	Α	It has no moving parts and consumes very little power	
	В	It operates using read write heads and is used to store data	
	С	It has no moving parts and requires a large power supply to operate	
	D	It operates using read write heads and consumes very little power	
		Answer [1]	
			[Turn ov



(g)	Wh	ich of the following are all features of digital television?
	Α	High levels of interference, poor quality picture and more channels
	В	Fewer channels, good quality picture and reduced interference
	С	Electronic programme guide, fewer channels and good quality picture
	D	More channels, electronic programme guide and good quality picture
		Answer [1]
(h)	Go	od data portability means that:
	Α	The data stored uses very little storage space
	В	The data cannot be transferred from one system to another
	С	The data can be easily transferred from one system to another
	D	The data stored uses a large amount of storage space
		Answer [1]
(i)	Se	ect the statement which is true about fibre optic cable.
	Α	Fibre optic cable carries data in pulses of light but is prone to interference
	В	Fibre optic cable carries data as electronic signals and is not prone to interference
	С	Fibre optic cable carries data as electronic signals and is prone to interference
	D	Fibre optic cable carries data in pulses of light and is not prone to interference
		Answer [1]
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(j)	Wh	ich of the following best describes an icon when using a GUI?		Examiner Marks F	[·] Only Remark
	Α	A graphic which has been cropped			
	В	A graphic representing a short cut to a program			
	С	A graphic provided on a pull down menu			
	D	A graphic created when a program is opened			
		Apower	[4]		
		Answer	[1]		
				Total Que	stion 1
				Turp	over
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2 Below is a simple spreadsheet created by Anna. She runs a drama school and is trying to find out her potential profit based on how much she charges.

	Α	В	С	D	E	F	G	Н
1	Lesson Name	Day of Week	Venue	Number of people	Total Income	Venue Rental	Insurance	Profit
2	Poetry	Monday	Study	22	£ 110.00	£ 45.00	£ 22.00	£ 43.00
3	Solo Drama	Monday	Studio	10	£ 50.00	£ 45.00	£ 5.00	£ 0.00
4	X-FactorFun	Tuesday	Main Hall	20	£ 100.00	£ 60.00	£ 5.00	£ 35.00
5	StrictlyDancing	Thursday	Main Hall	20	£ 100.00	£ 70.00	£ 5.00	£ 25.00
6								
7							Total Profit	£ 103.00
8								
9		How much will I charge?	£ 5.00					

(a) Write down the formula you would expect to find in cell H7.

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[1]

Examiner Only Marks Remark

(b) In the table below, tick (✓) one formula that you would expect to find in cell H4.

Formula	Tick (✓)
D4-G4-F4	
E4+F4-G4	
E4-F4-G4	

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(c) Insurance is charged as shown below:

Number of people	Cost
Up to 20 people	£5.00
More than 20 people	£1.00 per person

In the table below, tick (\checkmark) **two** formulae that would give the correct result in cell G2.

Formula	Tick (✓)
lf(D2<=20,5,D2*1)	
lf(D2>20,D2*1,5)	
lf(D2<=20,D2*1,5)	
lf(D2>20,5,D2*1)	

- (d) How can cell C9 be used to help predict profit?
- (e) Examine the Profit column. What advice would you give to Anna about each class she is running?
 - _ [2]

_____ [2]

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[Turn over

Examiner Only

Marks Remark

50 - 45 - 40 -		
35 - 30 - 25 - 20 - 15 - 10 - 5 - 0 -	Poetry Solo Drama X-FactorFun StrictlyDancing	
 (i)	[3] na wants to create the graph using a macro. What is a macro?	
(ii)	[2] Describe how a macro is created in a spreadsheet.	
	[2]	Total Question 2

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(Questions continue overleaf)

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- **3** Eleanor works for the NIGOLD Bank. The bank wishes to promote new student accounts.
 - (a) From the list below, tick (✓) two statements which are advantages of online banking.

Statement	Tick (√)
The bank's employees can work from home	
Less staff will be needed in branches of the bank	
Overheads such as building rental will be reduced	
More branches of the bank will have to be opened	

[2]

Examiner Only

Marks Remark

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(b)	Eleanor has been asked to explain online banking to new students entering university. You have been asked to write her speaking notes under the following headings.	Ex Mai	aminer ks R	Only emark
	 Advantages of online banking to customers The importance of secure websites Encryption 			
	Write the speaking notes in the space provided.			
	Advantages of online banking to customers:			
		-		
		-		
		-		
		-		
		-		
	The importance of secure websites:			
		-		
		-		
		-		
		-		
		-		
	Encryption:			
		-		
		-		
		-		
		Tota	I Ques	stion 3
	[6]			
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The	stside College allows pupils from another school to study GCSE ICT ese pupils use the Virtual Learning Environment (VLE) and video ferencing for their studies.	Examiner Or Marks Ren	a description
(a)	Apart from uploading and downloading materials, explain two other features of the VLE which could be used to teach GCSE ICT.		i Antitiq Restrict i Careford i Careford Restrict Restric
	2		2 Learning Roused 2 Learning Roused Roused
(b)	Explain two disadvantages to the pupils of using the VLE to teach them.	[4]	
	1		
	2	[4]	
			j Lawing Ramin J.Lawing J.Lawing Diaming
			De lastrig Lastrig Lastrig Lastrig
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(c)		en the school is using video conferencing they must ensure they e enough bandwidth.	Examin Marks	er Only Remark
		Apart from a computer, list three items of equipment required for video conferencing.		
		1		
		2		
		3 [3]		
	(ii)	What is bandwidth?		
		[2]		
	(iii)	How can bandwidth affect video conferencing?		
		[2]		
			Total Qu	lestion 4
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				Rowarding I
5	carl	n runs a successful printing business. He is concerned about the con footprint his company is creating and the impact of his business on environment.	Examiner Only Marks Remark	
	(a)	State what is meant by a carbon footprint and give two ways in which it impacts on the environment.	2 Lawring Concentry L December 2 2 Lawring December 2 Newscrup L	Researching I
				CCC Rewarding I
		[3]		
		[0]		Learning Concerning Annual of the Annual of the
			CCC Reserving L	CCE Researching I
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			CCC Presenting L	CCC Researching i
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				CCC Rewarding I
		40GIT3114	CCC Presenting L	

(b)	John has collected data about his company. Below is a section of the data.	Examiner Only Marks Remark
	There are 40 networked computers with old style CRT monitors There are 18 high quality colour laser printers which are always switched on The company uses 2 million sheets of paper each year The company has 15 old computers which do not work	
	Discuss three ways in which John could help reduce his company's carbon footprint by making reference to the information provided above.	
	[6]	
	[0]	
		Total Question 5
8642.07 R		[Turn over

	om the list below, tick	k (✓) the most a				Roy
	iting pictures.		opropriate softwa	are package fo	or	
	Software Pac	kage	Tick (✓)			y Learning
	Presentation S	Software				The Res
	Database Soft	tware				G
	Graphics Soft	ware				y Learning
	Spreadsheet S	Software		ſ	[1]	
				L		G
	ith sends the picture			ned in a		2. Deserving
zip	pped folder. He canno	ot open the folde	۶۲.			Re
(i)	Give one reason w	vhy Ahmed may	not be able to op	oen the zipped	d	; Learning
	folder.					Real E
						G
				[[1]	Rem Per
				[[1]	
(ii)	State two benefits	of sending items	s by email in this		[1]	
(ii)		_	-	format.	[1]	
(ii)	1			format.	_	i j. Lavarda J. J. Anna J. Lavarda J. Lavarda J. Lavarda J. Lavarda J. Lavarda J. Lavarda
(ii)				format.	 [1] [2]	
	1 2			format.	[2]	
(c) In	1	the three differen	nt types of data fi	format. [iles containec	 [2]	i J. Anarding J. J. Anarding J. J. Anarding J. J. Anarding J. Anarding J. Anarding J. Anarding J. Anar
(c) In in	 1 2 the table below are t 	the three different the following file	nt types of data fi	format. [iles containec	 [2]	i J. Acording J. J. Acording J. J. Acording J. J. Acording J. J. A
(c) In in Mf	 2 the table below are t Ruth's folder. Place t 	the three different the following file	nt types of data fi extensions JPE0	format. [iles containec	 [2]	
(c) In in MF	 2 the table below are t Ruth's folder. Place t P3 with the correct data 	the three different the following file ata file.	nt types of data fi extensions JPE0	format. [iles containec	 [2]	
(c) In in MF	1 2 the table below are t Ruth's folder. Place t P3 with the correct da	the three different the following file ata file.	nt types of data fi extensions JPE0	format. [iles containec	 [2]	
(c) In in Mf Ø	1 2 the table below are t Ruth's folder. Place t P3 with the correct da rata file	the three different the following file ata file.	nt types of data fi extensions JPE0	format. [iles containec G, MPEG and	 [2]	i Lawrey i Lawrey

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7 B	arcodes are used widely in supermarkets.		Examine Marks	er Only Remark
(a) Apart from the check digit state two other pieces of information storn a barcode.	ored		
	1			
	2	_ [2]		
(k) The vast majority of supermarkets have installed EFTPOS. These systems record sales transactions and allow customers to pay for purchases.			
	Describe the input, processing and output components of a typical EFTPOS system and state how they are used when a customer arrives at the checkout to make a purchase.			
		_ [6]		
			Total Qu	estion 7
			[Turi	n over
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The number of people who shop online is increasing. There are	Examiner Only
advantages for both the customer and the company.	Marks Remark
Discuss three advantages for a company when using a website to sell products.	
[6]	
	Total Question 8
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l Tables 🔍 «	VIDEO				
IDEO 🏦	Field Name VideoNumber	Data Type Number	Video Number	Description Primary or Key field	
VIDEO : Table	Video Title	Number	Title of the video		
	Genre Release Date		Classification of t Date video releas	he Video, e.g Comedy, War etc ed	
	InStock		Is the video in sto	ock	
-					
	e table below inse ture. The first one	is completed	d for you.	in the Video table	
	Field Nam	-	Data Type	_	
	VideoNum	ber	Number	_	
	VideoTitle				
	Genre				
	Release D	ate			
	InStock			[4]	
• •	e data must be er ence below by ins		rrect words fro e eck	Complete the om the list provided.	

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Description



Field Name	Data Type	Description	n
eoNumber	Number	Video Number - Primary or Key field	
n the figure abo rimary or Key		er field is shown and described as a	
c) Why is a Pr	imary or Key field ne	ecessary in the Video table?	
		[[1]
	also created. The dia an and Video tables.	agram below shows the relationship	
VIDEO		LOAN	
VIDEO			
d) From the lis and Loan ta	ables.	relationship shown between the Vide	÷O
	Type of Relation		90
	ables. Type of Relation One-to-One		2O
	Type of Relation One-to-One One-to-Many		÷O
	ables. Type of Relation One-to-One	Iship Tick (✓)	20
	Type of Relation One-to-One One-to-Many	Iship Tick (✓)	
	Type of Relation One-to-One One-to-Many	Iship Tick (✓)	
	Type of Relation One-to-One One-to-Many	Iship Tick (✓)	
	Type of Relation One-to-One One-to-Many	Iship Tick (✓)	
	Type of Relation One-to-One One-to-Many	Iship Tick (✓)	
	Type of Relation One-to-One One-to-Many	Iship Tick (✓)	

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10110	hly Vid	eo Returned	Report		
First Nam	e Surname	Title		Price Returned	
William	Black				
		Ice Age		£2.50 🗹	
				£2.50	
Kalif	Omar			-	
		The Matrix Perfect Storm		£3.00 🗹	
		Big Daddy		£3.00 🗆	
				£9.00	
Peter	Sergant				
		Shrek		£3.50 🗆	
		Gladiator		£3.50 🗹	
		Forrest Gump		£3.50	
Oisin	Dundas			110.30	
UISIII	Dunuds	Da Vinci Code		£4.00 🗹	
(i)	When pr	roducing this rep	ort Zen Video used	£4.00 a wizard. What is	a
(i)	When pr wizard?	roducing this rep	ort Zen Video used		a [2]
	Circle or Video R	ne feature which eturned Report s	has been used to c hown.	a wizard. What is	[2] hly
	Circle or Video R	ne feature which	has been used to c	a wizard. What is	[2] hly
	Circle or Video R	ne feature which eturned Report s	has been used to c hown.	a wizard. What is	[2] hly

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. /	In the table below, tick (✓) the two statements that are true a digital devices.	Mark					
	Statement	Tick (✓)					
	Using OMR reduces entry errors						
	Using a touch screen will require more ICT skills than using a keyboard						
	Modern digital cameras cannot record short video clips						
	The quality of an image scanned by a scanner is measured in dots per inch						
		[2]					
(b)	Complete the following sentences using the words shown be (Not all words will be used).	elow.					
	Impact printers Ink-jet printers Laser printers F	lotters					
	The advantage of using is that bus	sinesses					
	can produce high quality detailed diagrams.						
	are more suitable for printing large volumes of data.						
	consist of a print head which conta	ains					
	nozzles.	[2]					
		[3]					

(c)	Kier	an is learning about the me	emory in his computer.	_	Examiner Only Marks Remark	
	(i)	List two units used to mea	sure memory capacity in a compute	r.		
		1				
		2		[2]		
	(ii)	Kieran's computer contains	s RAM. State one feature of RAM.			
				[1]		
(d)	com		r more in length stored on his ds a device that will enable him to ba	ack		
	Suggest a suitable backup device and state one advantage of using this device.					
				[2]		
(e)	Kier	an uses mobile communica	ation devices.			
	carr		ost suitable wireless technology for . Use a different wireless technology	/ for		
Task			Technology required			
Conne	cting	a laptop to a router				
	-	with another mobile ansfer data				
		bile phone to access the en Wi-Fi is not available				
				[3]		
				T 	otal Question 10	
					[Turn over	
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Sinead wants to send an email to her ICT teacher. She has a word processed letter she wants to send to her teacher as part	Examiner Only Marks Remark
f the email. a) State the most appropriate way for Sinead to include this letter as part of her email. [1]	
before sending the email Sinead selects the following message options. Image: Message Options Webpage D Image: https://mail.learningni.net/exchars Image: sentings Image: sentings	

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(c)	Explain how a "read receipt" is different from a "delivery receipt".		Examin Marks	er Only Remark
		[2]		
			Total Que	estion 11
			[T	
8642.07 R			Linu	n over

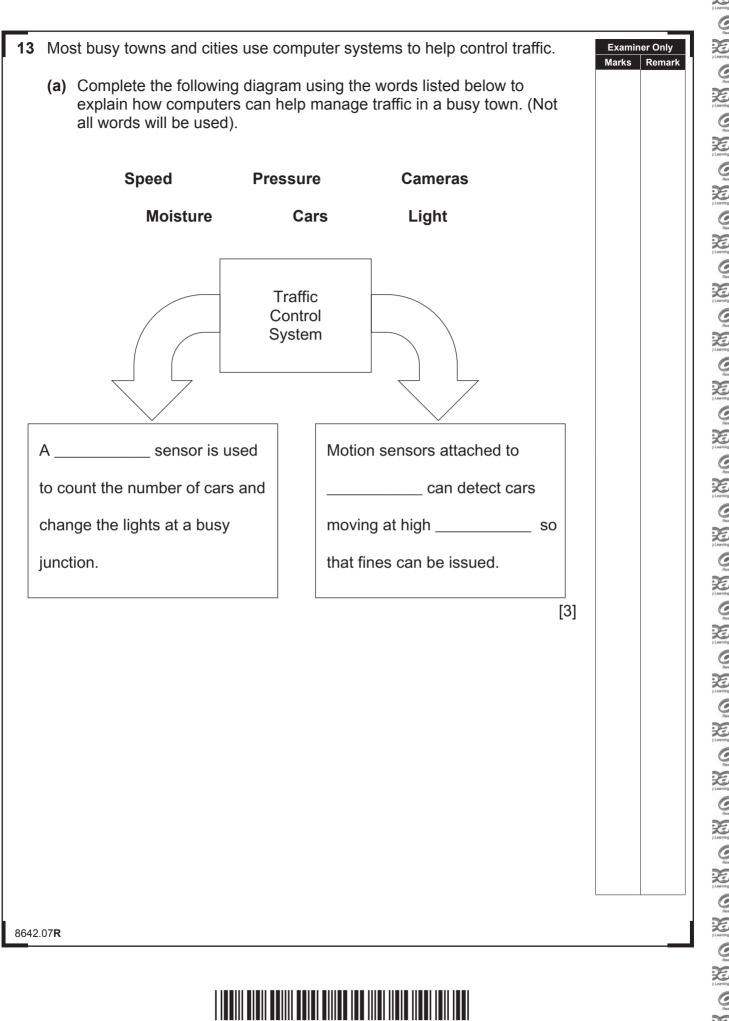
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	2	_ [2]	
(c)	State two advantages to the pupils of using CAL.		
usi	nen pupils complete their research they learn about product design ing CAL software. Expand the acronym CAL.	_ [1]	
		[2]	
(a)	How can using filters help limit the websites which pupils can acce on the Internet?	255	7
ma ide	part of the project they have to design a go-kart which can then be ade by the pupils in other classes. They use the Internet to research eas for their designs. hools limit what pupils can access on the Internet using filters.		

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	e school decides to get the help of an expert designer. The class will nmunicate with the expert using VoIP.	Examiner Only Marks Remark
(d)	Discuss VoIP under the following headings:	
	 The technology required to use VoIP. The cost of using VoIP. One disadvantage of using VoIP. 	
	[6]	
		Total Question 12
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		es in town car parks by stating whether	Examir Marks	ner Only Remark
		nput/Process/Output/Feedback. only. The first example is completed for		
	Action	Input/Process/Output/Feedback		
	Sensors register cars as they enter and leave the car park	Input		
	A ticket with details of date and entry time is printed upon entering the car park			
	The total number of cars in the car park is calculated and compared to the number of spaces available			
	If no more spaces are available the car park barrier will not raise for the next car			
		[3]		
			Total Qu	estion 13
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	lude feedback	for the user.			TLes
lace a tick (🗸					
aying compu		two examples	of feedback us	sed when	
A list of nstructions n the help system	A display of the number of lives remaining	Selecting difficulty options at start of the game	Help and Pause buttons available on screen	Sounds play when an alien ship is destroyed	
				[2]	
					R
				[2]	
	nstructions n the help system	of the number of lives remaining	in the help system of the number of lives remaining game in needs to create a Help Facility as part e about what it should include. entify two pieces of information a Help Facility as part	in the help system of the number of lives remaining game on screen in needs to create a Help Facility as part of his compute about what it should include.	Astructions In the help system Inter help system Inter of lives remaining Inter of lives remaining Inter of the game Inte

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Son forn	ne of the graphics Morgan has included in his game are in bitmap nat.	Examiner Or Marks Ren
(c)	Give two reasons why this may not be a suitable format for graphics used in a computer game.	
	1	
	2	
	[2]	
(d)	Morgan asks his friend to test his completed game. He wants to be sure that his scoring system and his navigation system work correctly. Explain in detail how Morgan's friend would test each of these parts of a computer game.	
	Testing the scoring system:	
	Testing the navigation system:	
		Total Questio
	[6]	[Turn o



bab	sa uses a database to store some details about the parents s bysits for. She uses data verification and validation to ensure is entering is accurate.		Examin Marks	er Only Remark
(a)	In the table below, place a tick (✓) beside two statements t of data verification.	hat are true		
	Statement	Tick (✓)		
	These checks help ensure data is always up to date			
	These checks can involve data being entered into the system twice			
	These checks are only used when changing passwords on a computer			
	These checks ensure accurate transfer of data from the source document			
		[2]		
(b)	What type of validation check would Rosa use to make sure always types the parent's telephone number into her databa			
		ase? [1] who are uld use to		
	always types the parent's telephone number into her databa Rosa only babysits children who are one year or older and under the age of ten. Write a validation rule which Rosa con	ase? [1] who are uld use to		
	always types the parent's telephone number into her databa Rosa only babysits children who are one year or older and under the age of ten. Write a validation rule which Rosa con	ase? [1] who are uld use to tabase.		
	always types the parent's telephone number into her databa Rosa only babysits children who are one year or older and under the age of ten. Write a validation rule which Rosa con	ase? [1] who are uld use to tabase.		
	always types the parent's telephone number into her databa Rosa only babysits children who are one year or older and under the age of ten. Write a validation rule which Rosa con	ase? [1] who are uld use to tabase.	Total Que	estion 15
	always types the parent's telephone number into her databa Rosa only babysits children who are one year or older and under the age of ten. Write a validation rule which Rosa con	ase? [1] who are uld use to tabase.	Total Que	estion 15

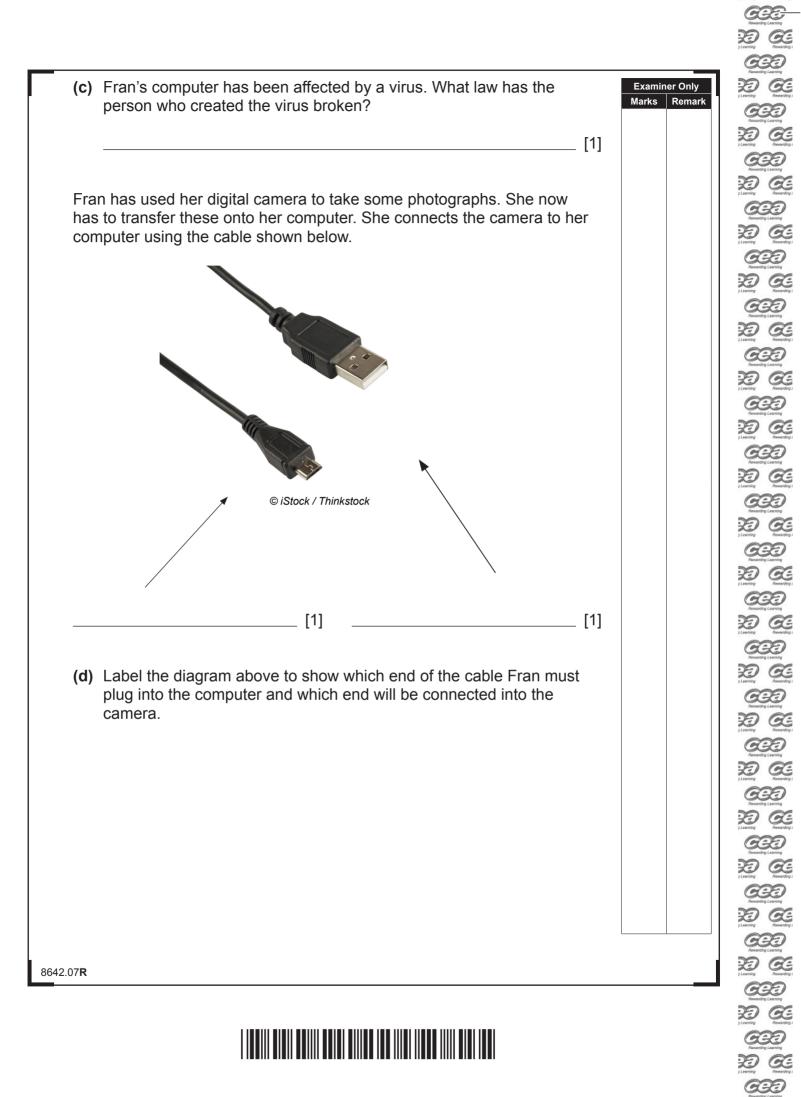
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D CE

GGE-DE

16	Frar	n's m	nuseum is completing a history project.	Examiner Only Marks Remark
	(a)	wou	n's manager gives her a printed copy of an old document. She Ild like to include this in the project. Identify one way Fran could vert the printed document into digital format.	
			[1]	
	(b)		manager reminds her of the importance of referencing her rces of information.	
		(i)	Which law will she break if she does not reference her sources?	
			[1]	
		(ii)	Fran has collected data from visitors coming to the museum. She must store the data in line with the Data Protection Act. List three principles of this act.	
			1	
			2	
			3 [3]	
		(iii)	Fran must write to the Information Commissioner on behalf of the museum. What does the Information Commissioner do?	
			[1]	
		(iv)	The museum appoint Fran as the Data Controller. State what her responsibility will be.	
			[1]	
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	n's digital camera has an additional slot on the side and Fran is unsure at it is used for.	Examiner O Marks Rer
	PUSH TO EJECT	
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(e)	Circle the correct answer from the list below to show Fran what this slot might be used for.	
	USB Memory Pen SD Memory Card Battery [1]	
(f)		
(f)	[1] Fran wants to use some of her photographs on the museum website. List two points Fran should consider when she is evaluating the	
(f)	 [1] Fran wants to use some of her photographs on the museum website. List two points Fran should consider when she is evaluating the suitability of each image for this purpose. 1 [1] 	
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(f)	 [1] Fran wants to use some of her photographs on the museum website. List two points Fran should consider when she is evaluating the suitability of each image for this purpose. 1	Total Questic
(f)	 [1] Fran wants to use some of her photographs on the museum website. List two points Fran should consider when she is evaluating the suitability of each image for this purpose. 1	Total Questio

thre file.	e m	Electricity take customer n onths in order to produce	-	-	Examin Marks
(a)	Wh	at is a transaction file?			
					[2]
(h)	ווים	are produced for all quet	iomore et the com	a time	
(D)		are produced for all cust			
	(1)	What type of processing	is used to produc		[1]
					[']
	(ii)	Give two reasons why the producing electricity bills		sing is suitable for	
		1			
		2			[2]
(c)	Bel	ow is a set of customer da Customer Number	ata from the trans Present Reading	action file.	
		1245	1000		
		1267	2000		
		1288	3000		
		1291	1500		
	(i)	Explain how the transact bills.	ion file is used to	create the customers	,
					[2]

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(ii) What is bills?	s the role c	of the masterfile in the production	of electricit	y	Examiner Only Marks Remark
				[2]	
		e a computer network. In the table ints about networks.	e below, ticl	k (✔)	
Statement			Tick (✓)		
Users can sha any computer		a network and can log on at			
	r stores us	er data and is the least powerful			
A router share and can be w		rk connection between devices			
Adding a firev	vall reduce	s network security			
Giving people security on a		evels of access improves			
Users can sha with other use		erals but cannot communicate network		[3]	
table below	v by giving how the IT	sponsible for network security. Co two more examples of threats to manager can protect the network ou.	a network a		
Threat		How can the manager protect	the netwo	rk?	
/irus attack		Install Antivirus software and upo	date regula	rly	
	[1]			[1]	
	[1]			[1]	Total Question 17
642.07 R					[Turn over



18 Using the terms in the list below choose **one** term that best matches the definition in the left-hand column (not all terms will be used).

INTEGRITY	INFORMATION	VALIDATION	E-COMMERCE
MAILMERGE	CACHE	REDUNDANCY	RSI
RAM	BLU-RAY	PIXEL	ROM
CD-RW	BITMAP	ENCRYPTION	НТТР

Definition	Term
Repeating data unnecessarily in a database	
Creating standard letters for a number of people and taking their details from a database	
The correctness, reliability and accuracy of data in a database	
An optical disk with a storage capacity large enough to hold a HD film	
The smallest area that can be edited on a graphic	
A form of internal memory that is non-volatile	
A health and safety risk arising from too much computer usage	
Shopping and conducting business transactions online	
A protocol used to send and receive web pages	
Data which has been processed and given a meaning	

[10]

Total Question 18

THIS IS THE END OF THE QUESTION PAPER

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Examiner Only

Marks Remark



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DO NOT WRITE ON THIS PAGE		Question Number	Marks	
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		18		
		Total		
		Marks		
	Examiner Number			
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