Surname	Centre Number	Candidate Number
Other Names		0



GCSE

4331/01

INFORMATION AND COMMUNICATION TECHNOLOGY

UNIT 1: Understanding ICT (Short Course) Information and Communication Technology UNIT 1: Understanding ICT

A.M. THURSDAY, 6 June 2013 1½ hours

Examiner only

Total Marks	
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INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen. Do not use pencil or gel pen. Do not use correction fluid.

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.

If you run out of space, use the continuation page at the back of the booklet, taking care to number the question(s) correctly.

INFORMATION FOR CANDIDATES

The number of marks is given in brackets at the end of each question or part-question.

Quality of written communication will be assessed in question 11.



1. The first draft of a poster to advertise a meeting for the school's ski trip is shown below.

SKI TRIP MEETING Parents and students welcome Room D2 25th June 2013 at 7pm

The draft is improved and the new version is shown below.



(a) **Tick (/)** the correct boxes to show the **three** features of Desk Top Publishing (DTP) software used on this new poster. [3]

Features	Tick (✓)
Clip Art	1
Bullet points	2
Table	3
Centre text	4
Underline	5
Border Art	6
Italic Font	7



Exa	mine
0	nlv

. ,	Name the feature of DTP software that could be used to find a similar meaning for a word. [1]	a]
(The school would like to send parents a letter informing them of the ski trip meeting. Give the name of a feature of DTP software that can automatically combine names and addresses to send the same letter to many people. [1]	. d



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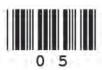
	DATA	INFORMATION	KNOWLEDG
lete who ran the race in 15 was the fastest and is the of the race	1	2	3
ds, 17 seconds	4	5	6
	7	8	9
ents		Tro	ie False
ents		Tro	ie False
n see an aerial view of your scho	ool.		
mes the information about rout	es on a GIS	is out of date.	
bile phones have a built in GIS	feature.		
n determine the distance from o	one place to	another.	
the user of using Bluetooth con	nnectivity.		
	was the fastest and is the of the race ds, 17 seconds Tick (/) the correct box to she Information Systems (GIS) are ents n see an aerial view of your schemes the information about rout bile phones have a built in GIS in determine the distance from one of the user of using Bluetooth contains.	lete who ran the race in 15 was the fastest and is the of the race ds, 17 seconds Tick (/) the correct box to show which of Information Systems (GIS) are True or Fallents ents In see an aerial view of your school. mes the information about routes on a GIS bile phones have a built in GIS feature. In determine the distance from one place to Mobile phones use Bluetooth technology the user of using Bluetooth connectivity.	lete who ran the race in 15 was the fastest and is the of the race ds, 17 seconds Tick (/) the correct box to show which of the following statemen Information Systems (GIS) are True or False. ents True on a GIS is out of date. bile phones have a built in GIS feature. In determine the distance from one place to another. Mobile phones use Bluetooth technology. Give one advantage an



4. A school keeps records of students going on the ski trip in a computer database. Part of this database is shown below.

Student ID Number	Name	Gender	DOB	Ski Ability	Paid
1378	T Taylor	M	18/05/1997	Beginner	Yes
1321	N Khan	M	25/06/1997	Intermediate	No
1354	P Andrews	F	14/03/1997	Advanced	Yes
1367	C Jones	F	46/07/1997	Advanced	Yes
1245	K Parry	F	28/07/1997	Intermediate	Yes
1379	M Singh	M	21/12/1996	Beginner	Yes
1327	J Squires	F	13/04/1997	Beginner	No

(a)	State how many fields are sho	own in the above database. [1]
(b)	State how many records are s	hown in the above database. [1]
(c)	Name the key field	[1]
(d)	State the purpose of the key f	ield. [1]
(e)	Tick (/) the correct box to sh field. Data Type	ow which of the following data types is used for the Name [1] Tick (/)
	NUMBER	1
	CURRENCY	2
	TEXT	3



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Advantag	ge 2		
	nplete the table be		ginners and who have paid fo n obtain this information from
Field Na	me	Operator	Search Criteria
		=	
		AND	
Field Na	ime	Operator	Search Criteria
		=	
	e that could have	prevented the error.	and describe a suitable valid



Email is widely used by many people.

5.

tach files to an email. and an email to many people at the same time oe at home to receive an email.		4
	e	4
oe at home to receive an email.		
	5	6
an email address to receive email.	7	8
State what is meant by Carbon Copy (CC	C).	
Explain the difference between Carbon (BCC).	n Copy (CC) and Bl	ind Carbon Co
	state what is meant by Carbon Copy (CC) Explain the difference between Carbon	arbon Copy (CC) and Blind Carbon Copy (BCC) are both features of State what is meant by Carbon Copy (CC). Explain the difference between Carbon Copy (CC) and Bl



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	Advantage	Disadvantago
Allows disabled people to shop from home.	1	2
Wider choice of goods available.	3	4
You cannot check the quality of goods before purchasing.	5	6
Saves the cost of travelling to the shop.	7	8
Credit card information may be misused.	9	10
Advantage to company		
Disadvantage to company		
		[1]
(c) Give one method of finding products on a website.		



Biometrics can be use of this method.			[3]



8. A school uses a spreadsheet to keep track of payments for a trip, as shown below.

	A	В	C	D	E	F	G	Н	I	J	K
1	Total Cost of Trip	£780									
2	Student Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Amount Paid	Amount to Pay	Status
3	J Jones	£250	£50	£50	£50	£50	£50	£50	£550	£230	Not Fully Paid
4	C White	£250	£60	£60	£60	£100	£150	£100	£780	£0	Trip Paid
5	H Vasoya	£250	£50	£50	£50	£50	£30	£300	£780	£0	Trip Paid
6	S Evans	£250	£100	£75	£75	£75	£75	£50	£700	£80	Not Fully Paid
7	S Peters	£250	£50	£50	£50	£50	£150	£100	£700	£80	Not Fully Paid
8	L Lamb	£250	£200	£50	£50	£50	£40	£10	£650	£130	Not Fully Paid

(a) (b)	Give the <i>data</i> in cell C4 . State how the number in cell B3 has been formatted.	[1] [1]
(c)	Which of the following formulas could be used to give the Amount Paid in cell I3 ? A =SUM(B3:H3) B =B2+C2+D2+E2+F2+G2+H2 C =SUM(B2:F2) D =B3+C3+D3+E3+F3+G3+H3+I3	[1]
(d)	The cell K3 contains the formula =IF(J3=0, "Trip Paid", "Not Fully Paid"). Which one of the following formulas would you expect to be used in cell K4 ? A =IF(J1=0, "Trip Paid", "Not Fully Paid") B =IF(J4=0, "Trip Paid", "Not Fully Paid") C =IF(J3=0, "Trip Paid", "Not Fully Paid") D =IF(J2=0, "Trip Paid", "Not Fully Paid")	[1]

(e)	The formula used to calculate the Amount to Pay in cell J3 is =\$B\$1–I3. State the cell referencing used in this formula.	e type of [1]
(f)	Give two advantages of using a spreadsheet to keep track of payments.	[2]
	Advantage 1	
	Advantage 2	



Control systems are used in schools.
Other than heat sensors, describe how three different sensors are used in schools. In your answer refer to what each measures. Use <i>distinctly</i> different examples in each case. [3×2]
Sensor 1
What is measured
Description of use in school
Sensor 2
What is measured
Description of use in school
Sensor 3
What is measured
Description of use in school



ICT i	CT is used for home entertainment.						
(a)	Give	two interactive services available through digital TV. [2]					
(b)	(i)	Other than updating your status, give two different uses of social networking for home entertainment. [2]					
	(ii)	Give one reason why you should not give away personal details on a socia networking account.					
(c)	(i)	Explain what is meant by the term webcam. [1]					
	(ii) Adva	Give one advantage and one disadvantage of using a webcam. [2]					
	Disa	dvantage					
(d)		re are several health hazards associated with the use of a computer for long periods me. Describe two different health hazards and for each give a method of preventing [4]					



(i)	Name and describe how four specific but <i>different</i> features of Online Tutorials and Assessment are used in education. [4]
Reme	ember that the quality of written communication will be assessed in this question.
(ii)	Discuss the general advantages and disadvantages of Online Tutorials and Assessment
Reme	[8] ember that the quality of written communication will be assessed in this question.
••••••	



	Examiner only
END OF PAPER	



Question number	Additional page, if required. Write the question numbers in the left-hand margin.	Examine only
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