



Rewarding Learning

General Certificate of Secondary Education  
2014

Centre Number

--	--	--	--	--

Candidate Number

--	--	--	--

**Information and Communication  
Technology (Short Course)**

Unit 2: Understanding ICT  
Systems in Everyday Use and  
its Implications for Individuals,  
Organisations, Society and  
the Wider World



**[GIT41]**

\*GIT41\*

**WEDNESDAY 14 MAY, MORNING**

**TIME**

1 hour.

**INSTRUCTIONS TO CANDIDATES**

Write your Centre Number and Candidate Number in the spaces provided at 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.**

Answer **all ten** questions.

**INFORMATION FOR CANDIDATES**

The total mark for this paper is **90**.

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

Quality of written communication will be assessed in questions **3(b)**, **6(b)** and **7**.

8643.05R



\*24GIT4101\*









2 Below is a simple spreadsheet created by Anna. She runs a drama school and is trying to find out how much she should charge customers in order to make a profit.

	A	B	C	D	E	F	G	H
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.

\_\_\_\_\_ [1]

(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	

[1]

Examiner Only	
Marks	Remark

8643.05R



\*24GIT4106\*



(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 (✓) **two** formulae that would give the correct result in cell G2.

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

[2]

(d) How can cell C9 be used to help predict profit?

---



---

[2]

(e) Examine the Profit column. What advice would you give to Anna about each class she is running?

---



---



---

[2]

Examiner Only	
Marks	Remark

[Turn over

8643.05R



\*24GIT4107\*



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]

(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.

- Advantages of online banking to customers
- The importance of secure websites

Write the speaking notes in the space provided.

Advantages of online banking to customers:

---



---



---



---

The importance of secure websites:

---



---



---



---

[4]

Examiner Only	
Marks	Remark
Total Question 3	

[Turn over

8643.05R



\*24GIT4109\*

4 Westside College allows pupils from another school to study GCSE ICT. These pupils use the Virtual Learning Environment (VLE) and video conferencing for their studies.

(a) Apart from uploading and downloading materials, explain **two** other features of the VLE which could be used to teach GCSE ICT.

1. \_\_\_\_\_

\_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_ [4]

(b) Explain **two** disadvantages to the pupils of using the VLE to teach them.

1. \_\_\_\_\_

\_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_ [4]

(c) When the school is using video conferencing they must ensure they have enough bandwidth.

(i) Apart from a computer, list **three** items of equipment required for video conferencing.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_ [3]

Examiner Only

Marks Remark

8643.05R



\*24GIT4110\*













(b) Some data must be entered in a certain format. Complete the sentence below by inserting the correct words from the list provided.

- Data Type
- Length Check
- Input Mask
- Error Message

The \_\_\_\_\_ defines the format of the data to be entered. [1]

VIDEO		
Field Name	Data Type	Description
VideoNumber	Number	Video Number - Primary or Key field

In the figure above, the VideoNumber field is shown and described as a Primary or Key field.

(c) Why is a Primary or Key field necessary in the Video table? [1]

\_\_\_\_\_

Examiner Only	
Marks	Remark



A Loan table is also created. The diagram below shows the relationship between the Loan and Video tables.



(d) From the list below, tick (✓) the relationship shown between the Video and Loan tables.

Type of Relationship	Tick (✓)
One-to-One	
One-to-Many	
Many-to-Many	

[1]

Examiner Only	
Marks	Remark

[Turn over

8643.05R



\*24GIT4117\*

Zen Video produce a monthly report showing which members have returned videos and the total value of each loan.

## Monthly Video Returned Report

First Name	Surname	Title	Price	Returned
William	Black	Ice Age	£2.50	<input checked="" type="checkbox"/>
			£2.50	
Kalif	Omar	The Matrix	£3.00	<input checked="" type="checkbox"/>
		Perfect Storm	£3.00	<input type="checkbox"/>
		Big Daddy	£3.00	<input type="checkbox"/>
			£9.00	
Peter	Sergant	Shrek	£3.50	<input type="checkbox"/>
		Gladiator	£3.50	<input checked="" type="checkbox"/>
		Forrest Gump	£3.50	<input type="checkbox"/>
			£10.50	
Oisin	Dundas	Da Vinci Code	£4.00	<input checked="" type="checkbox"/>
			£4.00	

(e) When producing this report Zen Video used a wizard. What is a wizard?

\_\_\_\_\_

\_\_\_\_\_ [2]

**Examiner Only**

**Marks**    **Remark**

Total Question 8





10 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).

<b>INTEGRITY</b>	<b>TRANSITION</b>	<b>VALIDATION</b>	<b>E-COMMERCE</b>
<b>MAILMERGE</b>	<b>CACHE</b>	<b>REDUNDANCY</b>	<b>TEMPLATE</b>
<b>ENCRYPTION</b>	<b>BLU-RAY</b>	<b>PIXEL</b>	<b>ROM</b>
<b>CD-RW</b>	<b>BITMAP</b>	<b>HYPERLINK</b>	<b>HTTP</b>

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	
High speed memory that holds frequently used instructions	
A ready made document layout which can be reused	
Shopping and conducting business transactions online	
Contains the boot up program for the computer	
A feature which allows users to move between slides on a multimedia presentation	

[10]

**THIS IS THE END OF THE QUESTION PAPER**

Examiner Only

Marks Remark

Total Question 10

8643.05R



\*24GIT4120\*





**DO NOT WRITE ON THIS PAGE**

8643.05R



\*24GIT4121\*

**DO NOT WRITE ON THIS PAGE**

8643.05R



\*24GIT4122\*





**DO NOT WRITE ON THIS PAGE**

8643.05R



\*24GIT4123\*

DO NOT WRITE ON THIS PAGE

For Examiner's use only	
Question Number	Marks
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

<b>Total Marks</b>	
--------------------	--

Examiner Number

Permission to reproduce all copyright material has been applied for.  
In some cases, efforts to contact copyright holders may have been unsuccessful and CCEA  
will be happy to rectify any omissions of acknowledgement in future if notified.

177997



\*24GIT4124\*

