

**ADVANCED SUBSIDIARY GCE**

**INFORMATION AND COMMUNICATION TECHNOLOGY**

**G062**

Structured ICT Tasks

**MARK SCHEME**

**Instructions for Examination Officer:**

**MAY 2011**

Please inform the Head of ICT, and any GCE assessors for this unit, that this document has arrived in your Centre.



**INSTRUCTIONS TO TEACHERS**

- This mark scheme must be kept secure.
- Its contents may not be divulged to candidates until after the publication of results by OCR.

Centre Name	Centre Number
Candidate Name	Candidate Number

- This mark scheme must be kept secure by the examinations officer and not given to the teacher until the teacher is ready to mark the work. The examinations officer can release to teachers the mark schemes for individual tasks if required for marking before other tasks are completed.
- This mark scheme is intended as a working document for Centres as well as an aid to moderation. Please use one copy **per candidate** and attach securely to each candidate's work.
- If a candidate meets the requirements for a mark then tick the box next to that mark. You may use the numbers on the left hand side of the tick boxes to cross-reference evidence on the candidate's work.
- Indicate whole marks for each task in the box marked 'Centre' after each part. Some centres find it useful to identify the page numbers where evidence can be found next to the marking points in the mark scheme. Only whole marks can be awarded for each mark point; half marks cannot be used. Use blue or black ink only on this mark scheme, do not use red or green ink.
- Candidates must not make improvements to work once it has been marked.
- Marks must be received by OCR and the moderator **no later than 15 May 2011**.
- This document consists of **24** pages. Any blank pages are indicated.

Task Marks	Max
Task 1	8
Task 2	8
Task 3	17
Task 4	17
Task 5	11
Task 6	19
Final Mark	<b>80</b>

**Instructions for Teachers**

This mark scheme is a confidential document. The contents must not be disclosed to candidates until after results have been issued in August 2011. You **must not** discuss the contents of the mark scheme with anyone outside of your centre.

- Once you have seen the mark scheme for a task you **must not** give any further assistance
- Show how and where the marks have been awarded
- Use blue, black or pencil to mark (try to avoid using red or green)
- Complete one mark scheme for each candidate
- Annotate the tasks and/or mark scheme to show where/why the marks have been awarded
- Only award a mark if **all** the bullet points have been met.

Field Name	Data Type	Description
JobID	AutoNumber	
CustomerID	Number	Foreign Key - Link to Customer ID in TblCustomer
SalesRepID	Number	Foreign Key - Link to Staff ID in TblStaff
Carpet ID	Number	Foreign Key - Link to Carpet ID in TblCarpet
Discount %	Number	
Area of Carpet	Number	
Perimeter	Number	
Fitting	Yes/No	✓4
Plywood	Yes/No	
Order Date	Date/Time	
Fitting Date	Date/Time	✓4

Field Name	Data Type
Customer ID	AutoNumber
Forename	Text
Surname	Text
Address	Text
Town	Text
PostCode	Text
Telephone	Text

  

Field Name
Product ID
ProductType
Price
Unit

- a (ii) 2 ✓ atomic data used for customer (zero marks if any below not atomic):
- separate forename and surname
  - separate address, town and postcode
- 3 ✓ all tables have sensible primary key
- 4 ✓ all of the following data types are used (zero marks if any item is missing or incorrect):
- perimeter = number
  - fitting = boolean (or equivalent)
  - fitting date = date/time
- 5 □ all of the following data types are used (zero marks if any item is missing or incorrect):
- telephone number = text
  - fitting time = date / time
  - price of anti-stain per square metre = number / currency

No evidence

MARKS:	
Centre	3
Internal Mod	
Final mark	
Max	4

- If using internal moderation, indicate the final mark.
- Transfer the marks to the front of the mark scheme.
- Check both the addition and the transcription.

MARKS:	
Centre	2
Internal Mod	3
Final mark	
Max	4



MARKS:	
Centre	2
Internal Mod	3
Final mark	3
Max	4



Transfer the total marks out of 80 into OCR Interchange by **15 May 2011**.

OCR will request a sample of work

- Send work to moderator with CCS/160 (Centre Authentication Form) within three working days
- Each script must have an individual mark scheme
- Make sure the work is packaged in accordance with regulations:
  - No binders, no plastic wallets
  - One mark scheme for each candidate
  - A cover sheet for each separate task
  - Clearly identify different parts of the tasks
  - Name of candidate, candidate number, name of centre and centre number on each task
  - Work securely fastened together

If you have any queries concerning the mark scheme, please contact [general.qualifications@ocr.org.uk](mailto:general.qualifications@ocr.org.uk)

## Task 1

**Tick Box**

1 a (i) hand drawn design is suitable for third party to create logo (zero marks if not hand drawn)

- 1  hand drawn logo design includes position of school name [1]
- 2  hand drawn logo design specification details include: (all points are required for the mark)
- size and colour for school name
  - theme or details of shapes/colours for theme [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>2</b>

a (ii) scanned hand drawn design from a(i): (zero marks if no annotation)

- 3  annotated evidence shows hand drawn design: (all points are required for the mark)
- has been scanned using computer software
  - saved in a common file format (e.g. jpg)
  - file size is no more than 250 kb [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>1</b>

a(iii) distribution list: (zero marks if no annotation)

- 4  annotated evidence shows: (all points are required for the mark)
- how the distribution list was created
  - appropriately named distribution list
  - the list contains three judges (not Mrs Wilson)
    - Mr Richard Groves [rgroves@dulton.biz](mailto:rgroves@dulton.biz)
    - Mr Tariq Ahmed [tahmed@dulton.biz](mailto:tahmed@dulton.biz)
    - Ms Razi Omar [romar@dulton.biz](mailto:romar@dulton.biz)
- [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>1</b>

a(iv) email (zero marks if no annotation)

- 5  annotated evidence shows email: (all points are required for the mark)
- addressed to: Mrs Wilson [clwilson@dulton.biz](mailto:clwilson@dulton.biz)
  - carbon copied to the distribution list from a(iii)
  - scanned design file included as an attachment
  - email message is sensible and suitable [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>1</b>

**Tick Box**

- b** annotated evidence shows that the logo requirements have been met: (zero marks if no annotation)

6-8  **Requirements**

- Dulton School
- matches one of the themes (science/technology/the future)
- the completed logo is a pixel size of width 140 × height 125
- the logo has been saved as a single layer
- logo has been created from scratch
- all letters on the logo are clearly visible

Tick	Marks	Requirement for the marks
	<b>3</b>	All of the requirements have been included
	<b>2</b>	<ul style="list-style-type: none"> <li>■ Dulton School</li> <li>■ the logo has been saved as a single layer</li> <li>■ the completed logo is a pixel size of width 140 × height 125</li> </ul> <p>All of the above and <b>one</b> other requirement is included</p>
	<b>0–1</b>	<ul style="list-style-type: none"> <li>■ Dulton School</li> <li>■ the completed logo is a pixel size of width × 140 height 125</li> </ul> <p>All of the above and <b>one</b> other requirement is included</p>

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>3</b>

<b>Task 1 TOTAL MARKS</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>8</b>

**Task 2**

**Tick Box**

**2 a** Parent Newsletter shows that the requirements of Mr Ahmed have been met:

- 1  the completed newsletter: (all points are required for the mark)
- title is: Parent Newsletter
  - issue number is: 48
  - logo from Task 1
  - is printed on one side of A4 paper
  - contact details to appear in top section
    - Dulton School
    - address: Truwell Lane, Dulton, DX3 9AY
    - tel: 07778 778667 and fax: 07778 778666
    - email: [admin@dulton.biz](mailto:admin@dulton.biz)
    - web: [www.dulton.biz](http://www.dulton.biz)

[1]

- 2  the sporting event includes: (all points are required for the mark)
- a suitable title
  - a commentary spread across two text boxes or two frames
  - a suitable image is between the two text boxes or two frames

[1]

- 3  the completed newsletter includes: (all points are required for the mark)
- head's message about winning logo
  - information about the school production of Grease
  - information about the ski trip to Austria
  - information about internet safety

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>3</b>

**b** Printed annotated evidence shows: (zero marks if no annotation)

- 4  annotated evidence shows: (all points are required for the mark)
- two text boxes or two frames have been used
  - each text box/frame contains text about a recent sporting event
  - the second text box/frame follows on from the first
  - how the two text boxes or two frames are linked
  - the text flows automatically from one text box/frame to the other

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>1</b>

**c** Printed annotated evidence shows: (zero marks if no annotation)

- 5  annotated evidence shows: (all points are required for the mark)
- how the image was set behind some of the internet safety text
  - the text in front of the internet safety image is clearly visible

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>1</b>

**Tick Box**

**d (i)** Printed annotated evidence shows merge field names used in the Newsletter: (zero marks no annotation)

- 6  annotated evidence shows: (all points are required for the mark)
- merge field names are in the top section of the Newsletter
  - suitable merge field names on Newsletter
    - title
    - forename
    - surname
    - address
    - town
    - postcode

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>1</b>

**d (ii)** Printed annotated evidence shows: (zero marks if no annotation)

- 7  annotated evidence shows:
- how to select all parents with surname Penny

[1]

**Note:** Marking point 8 can only be awarded if marking point 7 has been awarded.

- 8  personalised Parent Newsletter for **two** parents:
- Mr James Penny, 4 Bird Walk, Dulton, DX16 9TA
  - Mrs Mary Penny, 3a Forest Court, Dulton Green, DX4 3BS

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>2</b>

<b>Task 2 TOTAL MARKS</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>8</b>

## Task 3

**Tick Box**

3 a diagram must be hand drawn, (zero marks, if diagram not hand drawn)

- 1  evidence shows: (all points are required for the mark)
- pages (home, curriculum, ticket request)
  - home, curriculum, tickets request pages have two way links to each other
  - external link to OCR website: must be one way only and from the curriculum page only
  - Parent Newsletter link: from home page only [1]
- 2  evidence shows: [1]
- link from ticket request page to confirmation of details

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>2</b>

b **Requirements**

- formatting (The School uses Tahoma font, size 13, black for the main text and Bookman Old Style, size 15, black text for the headings)
- links to pages on all pages
- new logo (from Task 1) in the top left corner on all pages

the home page includes:

- new logo (from Task 1) in the top left corner
- school name, address, contact details (from Task 2)
- name of head teacher (Mrs Wilson)
- two images of the school (one inside and one outside)
- a link to the electronic version of the Parent Newsletter (from Task 2)
- two quotes from satisfied parents
- links to other pages

curriculum page includes:

- daily times of lessons
- a list of different subjects for study (at least 10)
- head teacher quote about the examination results
- external link to OCR qualifications website at [www.ocr.org.uk](http://www.ocr.org.uk)

ticket request page includes: (all points are required for the mark)

- image and information about school production of Grease
- type of ticket
- ticket price (adult £8.00, students/children £6.00, OAP £5.00)
- method of payment
- input areas for
  - applicant's details
  - applicant's email
  - child forename, surname and class
  - number of tickets required for each type
- button to submit the ticket request

3-5 □

Tick	Marks	Requirement for the marks
	<b>3</b>	All of the requirements have been included
	<b>2</b>	Two of the requirements missed out
	<b>0–1</b>	Three of the requirements missed out

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>3</b>

### Tick Box

**c** evidence shows:

- 6 □ the link from the home page to the ticket request page is relative to the pages (i.e. they do not have hard disk location) e.g. “../ticket request.htm” or similar [1]
- 7 □ the link from the curriculum page to the OCR website is absolute **www.ocr.org.uk** – evidence must not be truncated [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>2</b>

**d** the structure of the website must be set up correctly to enable the school to upload all folders, pages and images.

- 8 □ file structure shows: (all points are required for the mark)
- all folders, pages and images are stored in a single folder with a suitable name
  - separate folders used for each page (except home/index page)
  - suitable page names used (e.g. home.htm or index.htm, curriculum.htm) **not** page1.htm, page2.htm, page3.htm etc
  - images are within the correct folder for the correct page [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>1</b>



**Tick Box**

e Printed annotated evidence shows: (zero marks if no annotation)

9-11 □

Tick	Marks	Requirement for the marks
	3	<ul style="list-style-type: none"> <li>■ routine to save ticket request details works correctly</li> <li>■ routine to display ticket request details on the confirmation page works correctly</li> <li>■ routines work for more than one request</li> <li>■ ticket request page and confirmation page show identical details have been submitted</li> <li>■ confirmation page has logo in top left corner and formatting shows that CSS has been applied</li> </ul>
	2	<ul style="list-style-type: none"> <li>■ routine to save ticket request details works correctly</li> <li>■ routine to display ticket request details on the confirmation page works correctly</li> <li>■ ticket request page and confirmation page show identical details have been submitted</li> </ul>
	0–1	<ul style="list-style-type: none"> <li>■ routines would work for more than one request</li> <li>■ routine to save ticket request details works correctly</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li>■ routine to display ticket request details on the confirmation page works correctly</li> </ul>

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>3</b>

**Tick Box**

f each test must be for a different aspect/feature of the website

12  first test has a clear testing method so that the tester knows exactly how to run the test and the expected result is clearly identified and is logically correct based upon the testing method [1]

13  second test has a clear testing method so that the tester knows exactly how to run the test and the expected result is clearly identified and is logically correct based upon the testing method [1]

14  third test has a clear testing method so that the tester knows exactly how to run the test and the expected result is clearly identified and is logically correct based upon the testing method [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>3</b>

**Note:** only mark first 3 tests (zero marks if no table is used)  
 Each test must be for a different aspect – internal links are the same aspect.  
 External link tests are different from internal link tests.

Examples of acceptable tests:

	<b>Item to test</b>	<b>How to test it</b>	<b>Expected result</b>
Test 1	All web pages are visible in different screen resolutions	Open the website and view (the home page, curriculum page and ticket request page) every page using the following screen resolutions: 800 × 600 1024 × 768 1280 × 720	All pages are in proportion and you do not have to scroll to view the whole of the page. All of the text and images are visible and are not pixilated or distorted
Test 2	The internal link from the home page to the curriculum page works correctly	Navigate to the curriculum page by selecting the 'curriculum' link in the navigation bar at the top of the home page (the second link in the navigation bar)	The 'curriculum' link in the navigation bar on the home page opens the curriculum page which contains details about lesson times, different subjects, a quote from the head teacher and a link to OCR at www.ocr.org.uk
Test 3	The external link works correctly	From the home page, navigate to the curriculum page and select the link to OCR qualifications	The link opens the OCR website in a new window and the URL displayed in the browser address bar is www.ocr.org.uk

**Tick Box**

**9**

- 15  user documentation clearly explains: (all points are required for the mark)
- how to create a new Sports page
  - how to set the background colour of the new page
  - how to include text on the new page
  - how to include an image on the new page
- [1]

- 16  user documentation clearly explains: (all points are required for the mark)
- how to create a link to the new Sports page from the other pages
  - how to save Sports.htm (or similar) in a Sports folder
  - how to save the images in a suitable location
  - how to use CSS to maintain consistency for all pages
- [1]

- 17  the following apply to the completed user documentation: (all points are required for the mark)
- must be stand alone document (starts on new page)
  - title page/front cover
  - contents page with correct page numbers
  - correct page numbers on user guide pages
  - consistent style throughout
  - subtitles used
  - appropriate screenshots (clearly visible)
  - any **two** from: troubleshooting/glossary of terms/index
  - **no** spelling errors
- Note:** the user documentation should be able to be extracted from the task and used with no extraneous information
- [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>3</b>

<b>Task 3 TOTAL MARKS</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>17</b>

**Task 4**

**Tick Box**

4 a (i) the worksheet is printed on one side of A4 (else zero marks)  
**Note:** zero marks if row and column headings are missing

- 1  evidence shows: (all points are required for the mark)
- one worksheet set out the same and includes data from Table 4.1
  - Item 6 Plain Curls: unit cost is £0.25 and unit profit is £0.35
  - Item 6 Plain Curls: max stock (units) is 288 and min stock (units) is 96

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>1</b>

a (ii) printed annotated evidence show calculations are syntactically correct (zero marks if no annotation)  
**Note:** zero marks if row and column headings are missing or if formulae/functions are truncated

- 2  unit cost and unit profit calculated correctly:
- unit cost is pack cost/pack size
  - unit profit is unit sell – unit cost
- 3  max stock (units) and min stock (units) calculated correctly:
- max stock is the max packs for that item category × item pack size
  - min stock is the min packs for that item category × item pack size

[1]

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>2</b>

b (i) the worksheet is printed on one side of A4 (else zero marks)  
**Note:** zero marks if row and column headings are missing

- 4  one worksheet set out the same and includes data from Table 4.2
- for Cola Lite: 'Mon stock' shows 96 and 'Stock left' shows 71
  - for Lolly: 'Mon profit' is £2.80 and 'Tues stock' is 116
- 5  one worksheet set out the same and includes data from Table 4.2
- Status of all items is 'OK' and 'units ordered' is '0' for all items
  - Mon **total** profit in cell H17 is £117.80

[1]

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>2</b>

**b (ii)** Printed annotated evidence show calculations are syntactically correct (zero marks if no annotation)

**Note:** zero marks if row and column headings are missing or if formulae/functions are truncated

- 6  Mon profit and Stock left calculated correctly:
  - Mon profit is 'unit profit \* Mon sales'
  - Stock left is 'Mon stock – Mon sales'

[1]

- 7  Status and Units ordered calculated correctly:
  - Status is displayed as text – OK or ORDER
  - Units ordered is the difference between max and min stock or zero

[1]

- 8  Order value, Mon profit total and Tues stock calculated correctly:
  - Order value is units ordered \* unit cost (or pack quantities equivalent)
  - Mon **total** profit is the sum of all items in Mon profit column H
  - Tues stock is Stock left + Units ordered

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>3</b>

**c** the worksheet is printed on one side of A4 (else zero marks)  
**Note:** zero marks if row and column headings are missing

- 9  evidence shows: (all points are required for the mark)
  - for Dark Choc Bar: 'Fri stock' shows 98 and 'Stock left' shows 70
  - for Dark Choc Bar: 'Status' is ORDER
  - for Cola Lite: 'Fri stock' shows 77 and 'Stock left' shows 55
  - for Cola Lite: 'Status' is OK

[1]

- 10  evidence shows: (all points are required for the mark)
  - 5 items require an ORDER in the Status column
  - Fri **total** profit is £121.00
  - Fri **total** order value is £106.80

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>2</b>

**d** validation rule, conditional formatting or equivalent used must work for all cells in range (zero marks if no annotation)

- 11  annotated evidence shows
  - Monday sales for Dark Choc Bar
    - cell background is black
    - input value is bold and yellow text
    - if the input is higher than stock available

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>1</b>

**e (i)** validation rule, conditional formatting or equivalent used must work for all cells in range (zero marks if no annotation)

- 12  annotated evidence shows:
  - Tuesday stock left rule for Cola Lite
    - cell background is red
    - input value is white text
    - if the status is ORDER

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>1</b>

**Tick Box**

**e (ii)** Wednesday stock status clearly displays items which need ordering: (zero marks if no annotation)

- 13  annotated evidence shows:  
 the items which requiring ordering on Wednesday  
 ■ only **four** items require an ORDER in the Status column  
 ■ items to order are:
- Cola Lite
  - Plain Curls
  - Muesli Bar
  - Milk Choc Bar

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>1</b>

**f (i)** the worksheet is printed on one side of A4 (else zero marks)  
**Note:** zero marks if row and column headings are missing

- 14  evidence shows: (all points are required for the mark)  
 ■ line chart shows daily profit and order value as different lines with the days of the week on the 'x' axis  
 ■ line chart has legend or equivalent showing which line is which

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>2</b>

- 15  evidence shows: (all points are required for the mark)  
 ■ Total profit is £609.40  
 ■ Total Order value is £381.60  
 ■ Total Daily profit/loss is £227.80

[1]

**f (ii)** Printed annotated evidence show calculations are syntactically correct  
**Note:** zero marks if row and column headings are missing or if formulae/functions are truncated

- 16  annotated evidence shows:  
 ■ Profit calculated from the sales worksheet (e.g. =Sales!\$H\$17)  
 ■ Order value calculated similarly (e.g. =Sales!\$L\$17)

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>2</b>

- 17  annotated evidence shows:  
 ■ Total profit/loss calculated correctly  
 ■ Total order value calculated correctly  
 ■ Total profit calculated correctly  
 ■ Daily profit loss calculated correctly (Profit – Order value)

[1]

<b>Task 4 TOTAL MARKS</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>17</b>

**Task 5**

**Tick Box**

- 5 a Printed annotated evidence shows a presentation has been created:
- 1  the presentation contains: (**all** points are required for the mark)
    - 3 to 6 slides and suitable slide titles
    - readable text for an open evening
    - suitable images for an open evening
    - the new logo from Task 1 [1]
  
  - 2  annotated evidence shows where the features were used: (**all** points are required for the mark)
    - animation and timings on text and images
    - effects on animation or transitions to add interest
    - timed slide transitions which do not require user interaction
    - loop effect to restart the presentation when it reaches the end [1]
  
  - 3  annotated evidence shows:
    - use of slide master
    - consistent layout e.g. background colour, font size, font style, font colour, text or image positioning [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>3</b>

**Tick Box**

**b** The printed help sheets include:

**Features:**

- clear instructions and screenshots which show how to use the following features:
  - slide master(s), to achieve a consistent layout
  - animation, which uses timings so text and images appear automatically
  - effects on animations or transitions
  - transitions, so that slides progress after a given time interval
  - a loop to restart the presentation

**Presentation:**

- must be stand alone document with:
  - consistent style throughout
  - subtitles used
  - appropriate screenshots (clearly visible)
  - text **not** written as “I did .....
- **no** spelling errors

4-6 □

Tick	Marks	Requirement for the marks
	<b>3</b>	All of the features and all of the presentation requirements are covered in the help guide
	<b>2</b>	All of the features are covered. There are errors or inconsistencies in the presentation of the help sheet
	<b>0–1</b>	At least <b>three</b> of the features are covered and there may be errors or inconsistencies in the presentation of the help sheet

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>3</b>



**Tick Box**

**c (i)** Printed annotated evidence shows: (zero marks if no annotation)

7-9  **Requirements**

- identification of background music in the completed sound file
- identification of voice over in the completed sound file
- identification of change of volume settings so recorded voice over can be heard (e.g. reduced background volume)
- identification of where fade in and fade out effects were used in the completed sound file
- playing time is 1 minute 20 seconds
- completed sound file is in a suitable format to be played within the presentation (e.g. MP3, WAV)

Tick	Marks	Requirement for the marks
	<b>3</b>	All of the requirements have been included
	<b>2</b>	<ul style="list-style-type: none"> <li>■ identification of background music in the completed sound file</li> <li>■ identification of voice over in the completed sound file</li> <li>■ playing time is 1 minute 20 seconds</li> <li>■ completed sound file is in a suitable format to be played within the presentation (e.g. MP3, WAV)</li> </ul> <p>All of the above and <b>one</b> other requirement is included</p>
	<b>0–1</b>	<ul style="list-style-type: none"> <li>■ how the playing time 1 minute 20 seconds was achieved</li> <li>■ how the completed sound file was saved in a suitable format to be played within the presentation (MP3, WAV)</li> </ul> <p>All of the above and <b>one</b> other requirement is included</p>

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>3</b>

**Tick Box**

**c (ii)** Printed annotated evidence shows: (zero marks if no annotation)

- 10  evidence shows: (all points are required for the mark)  
 ■ completed sound file has been used in the presentation  
 ■ appropriate settings used, so sound restarts when looped [1]
- 11  evidence shows:  
 ■ sound file requires no user interaction to start [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>2</b>

<b>Task 5 TOTAL MARKS</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>11</b>

## Task 6

**Tick Box**

6 a

- 1  evidence shows: (all points are required for the mark)
- in BOOK table: an appropriate Primary key is used (accept ISBN)
  - in BOOK table: Reading age is number
  - in STUDENT table: a suitable Primary key exists (e.g. StudentID)
  - in STUDENT table: forename and surname are atomic
  - in STUDENT table: Class is text
- [1]
- 2  evidence shows: (all points are required for the mark)
- in LOAN table: a suitable Primary key is present (e.g. LoanRef)
  - in LOAN table: PK's from COPY and STUDENT tables are foreign keys
  - in LOAN table: Due date and Return date are date/time
- [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>2</b>

**b** Printed evidence of entity relationship diagram shows:

- 3  ■ ERD implemented in database software
- 1:M between COPY and LOAN
  - 1:M between BOOK and COPY
  - 1:M between STUDENT and LOAN
- [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>1</b>

**c** Printed evidence of the data entry form for the loan and return of books shows:

- 4  ■ Loan date **and** Due date of a given book
- Fine due (may be displayed as £0.00 if not overdue)
  - space to enter student
  - space to enter copy

school details are displayed:

- new school logo (from Task 1)
  - Dulton School
  - address: Truwell Lane, Dulton, DX3 9AY
  - tel: 07778 778667 and fax: 07778 778666
  - email: [admin@dulton.sch.biz](mailto:admin@dulton.sch.biz)
  - web: [www.dulton.biz](http://www.dulton.biz)
- [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>1</b>

**Tick Box**

**d (i)** Printed evidence of second form shows loans for all copies of a book:

- 5  all details for book Lost Treasures are displayed:  
 ■ book title: Lost Treasures  
 ■ genre: Mystery and ISBN: 0-340-99651-7  
 ■ reading Age: 12 and author: R Green [1]

- 6  book copy and loan history shows:  
 ■ five students have loaned the book (from Table 6.1)  
 ■ copy 2 has been loaned twice  
 ■ copy 1, 3 and 4 have been loaned once [1]

- 7  school details are displayed:  
 ■ new school logo (from Task 1)  
 ■ Dulton School  
 ■ address: Truwell Lane, Dulton, DX3 9AY  
 ■ tel: 07778 778667 and fax: 07778 778666  
 ■ email: [admin@dulton.biz](mailto:admin@dulton.biz)  
 ■ web: [www.dulton.biz](http://www.dulton.biz) [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>3</b>

**Note:** If school details entered incorrectly in 6(c), then allow follow through for 6(d)(i)

**Tick Box**

**d (ii)** Printed annotated evidence shows: (zero marks if no annotation)

8-10  **Requirements**

- rule identifies if a book is on loan or available
- rule is for the copy of the book (i.e. book and copy specific)
- rule is date specific
- rule prevents double booking a book which is already on loan
- method used indicates that the requested copy of book is not available
- calculation(s) is/are syntactically correct and the outcome is 100% accurate

Tick	Marks	Requirement for the marks
	<b>3</b>	All of the requirements have been included
	<b>2</b>	<ul style="list-style-type: none"> <li>■ rule identifies if a book is on loan or available</li> <li>■ rule is for the copy of book (i.e. book and copy specific)</li> <li>■ rule is date specific</li> <li>■ calculation(s) is/are syntactically correct and the outcome is 100% accurate</li> </ul> <p>All of the above are included</p>
	<b>0–1</b>	<ul style="list-style-type: none"> <li>■ rule identifies if a book is on loan or available</li> <li>■ rule is for the copy of the book (i.e. book and copy specific)</li> </ul> <p>All of the above and <b>one</b> other requirement is included</p>

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>3</b>

**d (iii)** Printed annotated evidence of how the loan and return data entry form limits a borrower to two loan books at any given period of time: (zero marks if no annotation)

11  evidence shows:

- number of books on loan for a given student on any given date

[1]

12  evidence shows:

- rule which limits a borrower to two books only
- rule is applicable for any given date

[1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>2</b>

**Tick Box**

**d(iv)** Printed annotated evidence of how the loan and return entry form automatically calculates the fine: (zero marks if no annotation)

13-15  **Requirements**

- how rule identifies term dates correctly
- how rule calculates correctly return day after a school holiday
- how rule identifies school days correctly (e.g. not weekends)
- overdue fine is each school day after the Due date
- how rule charges £0.20 for school days overdue
- how rule calculates additional £1.00 fine
- £1.00 fine is applied on 15th school day after Due date
- calculation is syntactically correct and the fine is 100% accurate

Tick	Marks	Requirement for the marks
	<b>3</b>	All of the requirements have been included
	<b>2</b>	<ul style="list-style-type: none"> <li>■ overdue fine is each school day after the Due date</li> <li>■ how rule charges £0.20 for school days overdue</li> <li>■ how rule calculates addition £1.00 fine</li> <li>■ £1.00 fine is applied on 15th school day after Due date</li> <li>■ calculation is syntactically correct and the fine is 100% accurate</li> </ul> <p>All of the above and <b>one</b> other requirement is included</p>
	<b>0–1</b>	<ul style="list-style-type: none"> <li>■ rule charges £0.20 for school days overdue</li> <li>■ rule calculates additional £1.00 fine</li> <li>■ calculation is syntactically correct and the fine is 100% accurate</li> </ul> <p>All of the above and <b>one</b> other requirement is included</p>

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>3</b>

**Tick Box**

**e (i)** Printed list of overdue and books due for return on 22/03/2011 shows:

Printed list must cover no more than one side of A4 paper (else zero marks).

- 16  books due for return are listed:  
 ■ 4 books due date is 22/03/11  
 ■ 2 books loaned to Alan Dance:  
     ○ Lost and Found  
     ○ Hidden Gold  
 ■ 1 book loaned to Lucy Harris:  
     ○ A Soldier's Tale  
 ■ 1 book loaned to Toni Penny:  
     ○ Silent Thunder [1]
- 17  overdue books are listed:  
 ■ Lucy Harris has 1 book, 12 days overdue (Due date 4/03/11)  
     ○ Hard Times with fine due today £2.40  
 ■ Harry Smith has 1 book, 20 days overdue (Due date 15/02/11)  
     ○ Hidden Gold with fine due today £5.00  
 ■ Toni Penny has 1 book, 4 days overdue (Due date 16/03/11)  
     ○ Dark Secret with fine due today £0.80 [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>2</b>

**e (ii)** Printed evidence of the reminders which will be issued on 22/03/2011:

- 18  **three** reminders printed which show:  
 ■ student forename, surname and class  
 ■ details of book(s) overdue on 22/03/11  
 ■ suitable message to student  
 ■ fine due for overdue books on 22/03/11  
 ■ details of loan date and due date for books [1]
- 19  student reminders issued to:  
 ■ Lucy Harris: 1 book, 12 days overdue - £2.40 fine  
 ■ Toni Penny: 1 book, 4 days overdue - £0.80 fine  
 ■ Harry Smith: 1 book, 20 days overdue - £5.00 fine [1]

<b>MARKS:</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>2</b>

**Note:** If reminder includes books that are not overdue then zero mark.

<b>Task 6 TOTAL MARKS</b>	
<b>Centre</b>	
<b>Internal Mod</b>	
<b>Final Mark</b>	
<b>Max</b>	<b>19</b>

**Copyright Information**

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download from our public website ([www.ocr.org.uk](http://www.ocr.org.uk)) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact the Copyright Team, First Floor, 9 Hills Road, Cambridge CB2 1GE.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.