

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

November 2005

INTERNATIONAL GCSE

MARK SCHEME

MAXIMUM MARK : 72

SYLLABUS/COMPONENT : 0418/04

INFORMATION TECHNOLOGY

Formulae: Countif – number of Novice
COUNT function used correctly 1 mark
Countif – number of Expert
COUNT function used correctly 1 mark
 Alignment not important
 Row/Column may not be the same as this example
 Do not penalise for the use of named cells/ranges or column reference

Information Table	
Mark-up	0.05
	0.07
Number of types	
Novice	=COUNTIF(\$C\$11:\$C\$22,A5)
Expert	=COUNTIF(\$C\$11:\$C\$22,A6)

Formulae:
If Purchase >=300 then use content of named cell 'seven', else used content of named cell 'five' the content by Purchase price
IF function used correctly to achieve the right result 1 mark
Named cell range 'seven' used 1 mark
Named cell range 'five' used 1 mark
 Alignment not important
 Row/Column may not be the same as this example

Formula:
Sale = Purchase + Increase
Sales formula correct 1 mark

Date	Make	Type	Purchase	Increase	Sale
	Argus			=IF(D11>=300,D11*seven,D11*five)	=SUM(D11:E11)
	Canon			=IF(D12>=300,D12*seven,D12*five)	=SUM(D12:E12)
	Casio			=IF(D13>=300,D13*seven,D13*five)	=SUM(D13:E13)
	Fuji			=IF(D14>=300,D14*seven,D14*five)	=SUM(D14:E14)
	Kodak			=IF(D15>=300,D15*seven,D15*five)	=SUM(D15:E15)
	Konica			=IF(D16>=300,D16*seven,D16*five)	=SUM(D16:E16)
	Minolta			=IF(D17>=300,D17*seven,D17*five)	=SUM(D17:E17)
	Nikon			=IF(D18>=300,D18*seven,D18*five)	=SUM(D18:E18)
	Olympus			=IF(D19>=300,D19*seven,D19*five)	=SUM(D19:E19)
	Pentax			=IF(D20>=300,D20*seven,D20*five)	=SUM(D20:E20)
	Sony			=IF(D21>=300,D21*seven,D21*five)	=SUM(D21:E21)
	Toshiba			=IF(D22>=300,D22*seven,D22*five)	=SUM(D22:E22)

Replication:
Both formulae replicated correctly 1 mark

Layout - Data model created as shown 1 mark
All of the formulae and labels are visible in cell 1 mark
Single page landscape orientation 1 mark

Format Mark-up as % with 0 dp
2 Cells in Information Table formatted to % Integer
- values as shown **1 mark**

Information Table	
Mark-up	5%
	7%
Number of types	
Novice	7
Expert	5

Format the results in the Purchase, Increase and Sales columns to 2dp displaying \$
All 3 columns formatted to \$ and 2dp **1 mark**

Date	Make	Type	Purchase	Increase	Sale
January 24, 2005	Argus	Novice	\$199.00	\$9.95	\$208.95
January 30, 2005	Canon	Novice	\$399.00	\$27.93	\$426.93
February 6, 2005	Casio	Novice	\$305.00	\$21.35	\$326.35
February 15, 2005	Fuji	Expert	\$560.00	\$39.20	\$599.20
March 19, 2005	Kodak	Novice	\$345.00	\$24.15	\$369.15
March 20, 2005	Konica	Novice	\$314.00	\$21.98	\$335.98
March 26, 2005	Minolta	Novice	\$399.00	\$27.93	\$426.93
April 2, 2005	Nikon	Expert	\$685.00	\$47.95	\$732.95
May 2, 2005	Olympus	Expert	\$1,299.00	\$90.93	\$1,389.93
May 7, 2005	Pentax	Novice	\$299.00	\$14.95	\$313.95
May 17, 2005	Sony	Expert	\$595.00	\$41.65	\$636.65
May 22, 2005	Toshiba	Expert	\$1,287.00	\$90.09	\$1,377.09

Test data:
 Date, Make, Type and Purchase columns must be 100% accurate.
Data added 100% accurately **4 marks**
deduct 1 mark per error

Page orientation not specified
All data fits on a single page **1 mark**
All data is visible **1 mark**

Searching:
Type equal Novice
 Only these seven rows should be visible
Correct data extracted **2 marks**
 All data must be visible

Date	Make	Type	Purchase	Increase	Sale
January 24, 2005	Argus	Novice	\$199.00	\$9.95	\$208.95
January 30, 2005	Canon	Novice	\$399.00	\$27.93	\$426.93
February 6, 2005	Casio	Novice	\$305.00	\$21.35	\$326.35
March 19, 2005	Kodak	Novice	\$345.00	\$24.15	\$369.15
March 20, 2005	Konica	Novice	\$314.00	\$21.98	\$335.98
March 26, 2005	Minolta	Novice	\$399.00	\$27.93	\$426.93
May 7, 2005	Pentax	Novice	\$299.00	\$14.95	\$313.95

Searching:
Date after 01/05/05 and Purchase is greater than 350
 Only these three rows should be visible
Correct data extracted **2 marks**
 All data must be visible

Date	Make	Type	Purchase	Increase	Sale
May 2, 2005	Olympus	Expert	\$1,299.00	\$90.93	\$1,389.93
May 17, 2005	Sony	Expert	\$595.00	\$41.65	\$636.65
May 22, 2005	Toshiba	Expert	\$1,287.00	\$90.09	\$1,377.09

Printout of Stylesheet should be included:

- h1 { color: #008080; font-family:Arial; font-size: 36pt; text-align: Center; font-weight: bold }
- h2 { color: #00FF00; font-family: Times New Roman; font-size: 18pt; text-align: Left; font-weight: bold }
- h3 { color: #00FF00; font-family: Arial; font-size: 14pt; text-align: Left }

Correct style created for h1 **1 mark**
Correct style created for h2 **1 mark**
Correct style created for h3 **1 mark**
Printout of style sheet included – must be a stylesheet – not a webpage **1 mark**

Heading – Style h1

From stylesheet, dark green, sans-serif font, largest text size, bold, centre aligned

Styles/tags used as specified

1 mark

Table created with 4 rows and 3 columns

1 mark

Merge rows 1 and 2 in the 3rd column

1 mark

Merge row 2 in the 1st and 2nd columns

1 mark

Merge row 3 in the 2nd and 3rd columns

1 mark

Merge columns 1, 2 and 3 in 5th row

1 mark

Correct text appears in each cell

1 mark

E:\H_Drive\2 cambridge ucles\new 2005\standard\SET A\worked\...e5hm.htm

ELECTRY

[Home Page](#)

[Electry](#)

[Order Form](#)

Our Products:

Cafe espresso

[Dishwasher](#)

Freezer

Fridge

Fridge/Freezer

Heater

Iron

Kettle

Microwave

Oven

Tumble Dryer

Vacuum Cleaner

Washing Machine

|

[Contact details](#)

What we do

We sell a variety of household white goods

We have many models and makes in store. why not visit our store?



You can order by the following options

Through our website on-line - use our order form

By post - order our catalogue and complete the order form

By phone or fax - all contact details on this website

In all cases you can order our catalogue for free. We are also offering a special discount on all orders consisting of our products

SWAA5FRI.JPG in this cell
Any vertical or horizontal alignment is acceptable. Image should be centre aligned. Resized to 250 pixels high
All image must be visible

Image inserted **1 mark**
in correct position **1 mark**

Menu contains SWAA5MEN.TXT - Style h2 and
Text contains SWAA5MAK.TXT – Style h3
Menu added **1 mark**

HTML code is likely to vary greatly from this example – only check for required elements.

```
<html>
<head>
<title>electry</title>
<link rel="stylesheet" type="text/css" href="electry.css">
</head>
<body>
<h1>ELECTRY</h1>
<h2>Home Page<span style="mso-spacerun: yes">
</span>Electry<span style="mso-spacerun: yes">
</span>Order Form<o:p>
</o:p>
</span></h2>
<h3>Our Products:<o:p>
</o:p>
</span></h3>
<div align="right">
  <table border="3" cellpadding="0" cellspacing="0" width="600" align="right">
    <tr>
      <td width="196">
        <h2>What we do</h2>
      </td>
      <td width="381">
        <h3>We sell a variety of household white goods</h3>
      </td>
      <td rowspan="2" width="259" align="center" valign="middle">
        <p align="center"></p>
      </td>
    </tr>
    <tr>
      <td width="577" colspan="2">
        <h2>We have many models and makes in store. Why not
      </td>
    </tr>
    <tr>
      <td width="196">
        <h2>You can order by the following options</h2>
      </td>
      <td width="640" colspan="2">
        <h3>Through our website on-line - use our order form</h3>
        <h3>By post - order our catalogue and complete the order form</h3>
        <h3>By phone or fax - all contact details on this website</h3>
      </td>
    </tr>
    <tr>
      <td width="836" colspan="3">
        <h2>In all cases you can order our catalogue for a full listing of our
        products</h2>
      </td>
    </tr>
  </table>
</div>
<h3>Cafe espresso</span></h3>
<h3><a href="http://swaa5ele.htm" target="External">Dishwasher</a></h3>
<h3>Freezer</h3>
<h3>Fridge</h3>
<h3>Fridge/Freezer</h3>
<h3>Heater</h3>
<h3>Iron</h3>
<h3>Kettle</h3>
<h3>Microwave</h3>
<h3>Oven</h3>
<h3>Tumble Dryer</h3>
<h3>Vacuum Cleaner</h3>
<h3>Washing Machine</h3>
<h3>Contact details</h3>
</body>
</html>
```

External stylesheet attached 1 mark
Any name can be used

Table border set to 3 point 1 mark

SWAA5FRI.JPG in this cell
Any vertical or horizontal alignment is acceptable. Image should be centre aligned. Resized to 250 pixels high
Image resized 1 mark

Reference from hyperlink 'Dishwasher' to open SWAA5ELE.HTM in new window called EXTERNAL 1 mark

HOT PRODUCTS FROM ELECTRY

Toaster
Under \$25

Fridges
Under \$175

Dishwashers
Under \$350

Kettles
Under \$30

Microwaves
Under \$75

SPECIAL OFFERS

Dyso vacuum cleaner
Only \$199

Boch dishwasher
Only \$525

Smig fridge/freezer
Only \$925



SWAA5DIS.JPG in this cell
Any vertical or horizontal alignment is acceptable
Image resized to 500 pixels wide
All image must be visible
Aspect ratio must be maintained
Image placed as specified **1 mark**

Check this Image has replaced the text **1 mark**

```

<html>

<head>
<title>HOT PRODUCTS FROM ELECTRY</title>
<link rel="stylesheet" type="text/css" href="electry.css">
</head>

<body>

<h1>HOT PRODUCTS FROM ELECTRY</h1>
<table border="0" cellpadding="0" cellspacing="0" width="770">
  <tr>
    <td width="305">
      <h2>Toaster<br>
      Under $25</h2>
      <h2>Fridges<br>
      Under $175<o:p>
      </o:p>
      </h2>
      <h2>Dishwashers<br>
      Under $350</h2>
      <h2>Kettles<br>
      Under $30</h2>
      <h2>Microwaves<br>
      Under $75</h2>
      <h2>SPECIAL OFFERS</h2>
      <h2>Dyso vacuum cleaner<br>
      Only $199</h2>
      <h2>Boch dishwasher<br>
      Only $525</h2>
      <h2>Smig fridge/freezer<br>
      Only $925</h2>
    </td>
    <td width="461"></td>
  </tr>
</table>
<p><a href="swaa5hm.htm" target="_self"></a></p>

</body>

</html>

```

External stylesheet applied **1 mark**
 Any name can be used

SWAA5DIS.JPG
 Any vertical or horizontal alignment is acceptable
 Image resized 500 pixels wide
 All image must be visible
Image resized **1 mark**

Check for SWAA5ICO.GIF not .JPG - Width 35
Image converted to GIF **1 mark**
Image resized to be 35 pixels wide and maintain the aspect ratio **1 mark**
Hyperlink created from graphic to SWAA5HM.HTM **1 mark**

SLIDE 1

Master slide – check consistency
Candidate name and date top left, colour black, small text, 1 mark
Font size to be smallest text on the slide

Heading:
Dark blue, centred, large font between 50 & 72 point
Heading formatted correctly, 1 mark
Text of heading entered correctly 1 mark

Friday, 19 September 2005
Candidate Name

Dygitell

Suppliers of quality cameras

1

Subheading:
Bright blue, left aligned, medium font between 36 & 46 point
Subheading formatted correctly, 1 mark
Text of subheading entered correctly 1 mark

Introduce yourself and your role within the company.

Master slide – check consistency
Slide number inserted
Centre aligned
Slide number in correct place 1 mark

Presenter Notes – on all slides:
Must be printed with slide
Allow one data entry error per slide
Presenter notes present 1 mark
Presenter notes correct + in the right place 1 mark

Master slide – check consistency
Logo (category 'Camera'): -Suitable clipart chosen
Placed in bottom right quadrant of the screen
Logo placed bottom right 1 mark
Logo not overlapping text or object 1 mark

SLIDE 2

Candidate's name and today's date:
Placed in top left quadrant of the screen
Colour black
Font size to be smallest text on the slide

Heading:
Dark blue, centred, large font between 50 & 72 point
Heading entered and formatted correctly **1 mark**

Friday, 19 September 2005
Candidate Name

Price of cameras for Experts

Horizontal line below heading thick and dark blue
Any form of line is acceptable
Line present **1 mark**

Bulleted list:
Bright blue, left aligned, small font between 16 & 32 point
Allow any bullet points – but must be present
Bulleted list added correctly and in right place related to chart **1 mark**
Bulleted list formatted correctly **1 mark**

Background:
Light blue
Must be consistent throughout all slides



- o Fuji
- o Nikon
- o Olympus
- o Sony
- o Toshiba



2

have cameras to suit all users. Visit our website www.dvgate.com

Slide number inserted centred

Logo:
Suitable clipart chosen
Placed in bottom right quadrant of the screen

Presenter Notes:
Must be printed with slide
Allow one data entry error in either slide 2 or 3

Vertical Bar Chart created from data – not displaying a legend:

Fuji	599.20
Nikon	732.95
Olympus	1389.93
Sony	636.65
Toshiba	1377.09

Chart created correctly **1 mark**
No legend displayed **1 mark**

SLIDE 3

Candidate's name and today's date:
Placed in top right quadrant of the screen
Colour black
Font size to be smallest text on the slide

Heading:
Dark blue, centred, large font between 50 & 72 point
Text & formatting of heading correct **1 mark**

Friday, 19 September 2005
Candidate Name

Background:
Light blue
Must be consistent throughout all slides

What we guarantee

- o Full refund if not completely satisfied
- o Trade-in of old camera
- o 40 days free insurance cover



Bulleted list:
Bright blue, left aligned, small font between 16 & 32 point
Allow any bullet points – but must be present
Allow one data entry error
Bulleted list added correctly and in right place related to image **1 mark**
Bulleted list formatted correctly – must be consistent with slide 2 **1 mark**

Graphic (category 'camera'):
Suitable clipart,
Clipart inserted correctly **1 mark**

We feel that our service is better than any other.

Why waste time looking everywhere when we have everything you need?

Slide number inserted & centred

Logo:
Suitable clipart chosen
Placed in bottom right quadrant of the screen

Presenter Notes:
Must be printed with slide
Allow one data entry error in either slide 2 or 3

From ARF
Colour correct **1 mark**
Slide transitions added **1 mark**
Slide animation added **1 mark**