

June 2005

INTERNATIONAL GCSE

MARK SCHEME

MAXIMUM MARK : 72

SYLLABUS/COMPONENT : 0418/04

INFORMATION TECHNOLOGY

Formulae: Countif – number of Large
COUNT function used correctly (1 mark) 12.1.4
Countif – number of Small
COUNT function used correctly (1 mark) 12.1.4
 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	0.03
	0.05
Number of items	
Small	=COUNTIF(C9:C20,"Small")
Large	=COUNTIF(C9:C20,"Large")

Formulae:
If increase >=300 then use content of named cell 'five, else used content of named cell 'three' the content by Purchase price
IF function used correctly to achieve the right result (1 mark) 12.1.4
Named cell range 'five' used (1 mark) 12.1.3
Named cell range 'three' used (1 mark) 12.1.3
 Alignment not important
 Row/Column may not be the same as this example

Formula:
Sale = Purchase + Increase
Sales formula correct (1 mark) 12.1.3

Date	Item	Size of item	Purchase	Increase	Sale
	Cafe espresso			=IF(D9>=300,D9*five,D9*three)	=SUM(D9:E9)
	Freezer			=IF(D10>=300,D10*five,D10*three)	=SUM(D10:E10)
	Fridge			=IF(D11>=300,D11*five,D11*three)	=SUM(D11:E11)
	Fridge/Freezer			=IF(D12>=300,D12*five,D12*three)	=SUM(D12:E12)
	Heater			=IF(D13>=300,D13*five,D13*three)	=SUM(D13:E13)
	Iron			=IF(D14>=300,D14*five,D14*three)	=SUM(D14:E14)
	Kettle			=IF(D15>=300,D15*five,D15*three)	=SUM(D15:E15)
	Microwave			=IF(D16>=300,D16*five,D16*three)	=SUM(D16:E16)
	Oven			=IF(D17>=300,D17*five,D17*three)	=SUM(D17:E17)
	Tumble Dryer			=IF(D18>=300,D18*five,D18*three)	=SUM(D18:E18)
	Vacuum Cleaner			=IF(D19>=300,D19*five,D19*three)	=SUM(D19:E19)
	Washing Machine			=IF(D20>=300,D20*five,D20*three)	=SUM(D20:E20)

Replication:
Both formulae replicated correctly (1) 12.1.1

Layout - Data model created as shown (1 mark) 12.1.1
All of the formulae and labels are visible in cell (1 mark) 14.2.1 & 15.1.1
Single Landscape orientation (1 mark) 14.3.1 & 15.1.1

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

Information table	
Mark-up	3%
	5%
Number of items	
Small	6
Large	6

Format the results in the Purchase, Increase and Sales columns
 to 2dp displaying \$
 All 3 columns formatted to \$ and 2dp (1 mark) 14.1.1

Date	Item	Size of item	Purchase	Increase	Sale
January 24, 2005	Cafe espresso	Small	\$29.00	\$0.87	\$29.87
January 30, 2005	Freezer	Large	\$399.00	\$19.95	\$418.95
February 6, 2005	Fridge	Large	\$305.00	\$15.25	\$320.25
February 15, 2005	Fridge/Freezer	Large	\$560.00	\$28.00	\$588.00
March 19, 2005	Heater	Small	\$20.00	\$0.60	\$20.60
March 20, 2005	Iron	Small	\$15.00	\$0.45	\$15.45
March 26, 2005	Kettle	Small	\$25.00	\$0.75	\$25.75
April 2, 2005	Microwave	Small	\$250.00	\$7.50	\$257.50
May 2, 2005	Oven	Large	\$678.00	\$33.90	\$711.90
May 7, 2005	Tumble Dryer	Large	\$299.00	\$8.97	\$307.97
May 17, 2005	Vacuum Cleaner	Small	\$78.00	\$2.34	\$80.34
May 22, 2005	Washing Machine	Large	\$695.00	\$34.75	\$729.75

Test data:
 First 4 columns must be 100% accurate
 Data added 100% accurately (4 marks)
 12.1.2 deduct 1 mark per error

Page orientation not specified
 All data fits on a single page (1 mark) 14.3.1
 All data is visible (1 mark) 14.2.1

Searching:
Size of product equal Small
 Only these six rows should be visible
Correct data extracted (2 marks) 13.1.1
 All data must be visible

Date	Item	Size of item	Purchase	Increase	Sale
January 24, 2005	Cafe espresso	Small	\$29.00	\$0.87	\$29.87
March 19, 2005	Heater	Small	\$20.00	\$0.60	\$20.60
March 20, 2005	Iron	Small	\$15.00	\$0.45	\$15.45
March 26, 2005	Kettle	Small	\$25.00	\$0.75	\$25.75
April 2, 2005	Microwave	Small	\$250.00	\$7.50	\$257.50
May 17, 2005	Vacuum Cleaner	Small	\$78.00	\$2.34	\$80.34

Searching:
Date greater than 13/03/05 and Purchase is greater than 550
 Only these two rows should be visible
Correct data extracted (2 marks) 13.1.1
 All data must be visible

Date	Item	Size of item	Purchase	Increase	Sale
May 2, 2005	Oven	Large	\$678.00	\$33.90	\$711.90
May 22, 2005	Washing Machine	Large	\$695.00	\$34.75	\$729.75

Printout of Stylesheet should be included:

h1 { color: #000099; font-family: Arial; font-size: 36pt; text-align: Center; font-weight: bold }
h2 { color: #0000FF; font-family: Charlesworth; font-size: 18pt; text-align: Left; font-weight: bold }
h3 { color: #0000FF; font-family: Arial; font-size: 12pt; text-align: Left }

Correct style created for h1 (1 mark) 17.1.2 17.1.3
Correct style created for h2 (1 mark) 17.1.2 17.1.3
Correct style created for h3 (1 mark) 17.1.2 17.1.3
Printout of style sheet included – must be a stylesheet – not a webpage (1 mark) 21.1.1

Heading – Style h1
 From stylesheet, Dark Blue, sans-serif font,
 largest text size, bold, centre aligned
Styles/tags used as specified (1 mark) 17.1.4

Table created with 4 rows and 3 columns (1 mark) 19.1.1
Merge rows 1 and 2 in the 3rd column (1 mark) 19.1.3
Merge row 2 in the 1st and 2nd columns (1 mark) 19.1.3
Merge row 3 in the 2nd and 3rd columns (1 mark) 19.1.3
Merge columns 1, 2 and 3 in 5th row (1 mark) 19.1.3
Correct text appears in each cell (1 mark) 18.1.1

E:\H_Drive\2 cambridge ucles\new 2005\standard\set b\worked\web\swab5hm.htm

DYGITELL

[HOME PAGE](#) [DYGITELL CAMERAS](#) [ORDER FORM](#)

Products

Digital Cameras from:

- [Argus](#)
- [Canon](#)
- [Casio](#)
- [Dygitell](#)
- [Fuji](#)
- [Kodak](#)
- [Konica](#)
- [Minoita](#)
- [Nikon](#)
- [Olympus](#)
- [Pentax](#)
- [Sony](#)
- [Toshiba](#)

Contact details

Menu contains SWAB5MEN.TXT - Style h2 and
 Text contains SWAB5MAK.TXT – Style h3
Menu added (1 mark) 18.1.2 & 18.2.1

SWAB5CAM.JPG in this cell
 Any vertical 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) 20.1.1

<i>WHAT WE DO</i>	We sell digital cameras for total beginners through to the professional	
<i>WE HAVE MANY MODELS AND MAKES OF CAMERA. WHY NOT VISIT OUR STORE AND TAKE A FEW PICTURES?</i>		
<i>YOU CAN ORDER BY THE FOLLOWING OPTIONS:</i>	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	
<i>IN ALL CASES YOU CAN ORDER OUR CATALOGUE FOR A FULL LISTING OF OUR PRODUCTS AND SERVICE</i>		

Style h2 – applied correctly to table
 From stylesheet, Bright Blue, serif font, bold, italic and middle text size, left aligned
h2 used in correct cells (1 mark) 17.1.4

Style h3 – applied correctly to table
 From stylesheet, Bright blue, sans-serif font, smallest text size, left justified
h3 used in correct cells (1 mark) 17.1.4

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

```
<html>
<head>
<title>home page</title>
<link rel="stylesheet" type="text/css" href="camvb.css">
</head>
<body>
<h1>DYGITELL</h1>
<h2>Home Page
<a href="http://swab5cam.htm" target="EXTERNAL">Dygitell cameras</a>
Order Form</h2>
<h3>Products</h3>
<h3>Digital Cameras from:</h3>
<h3>&nbsp;</h3>
<table border="3" cellpadding="0" cellspacing="0" width="716">
<tr>
<td width="203">
<h2>What we do</h2>
</td>
<td width="180">
<h3>
We sell digital cameras for total beginners through to the professional</h3>
</td>
<td rowspan="2" width="333"></td>
<tr>
<td colspan="2">
<h2>
We have many models and makes of camera. Why not visit our store for a
few pictures?</h2>
</td>
</tr>
<tr>
<td width="203">
<h2>
You can order by the following options:</h2>
</td>
<td 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 colspan="3">
<h2>In all cases you can order our catalogue for a full listing of our
products and service</h2>
</td>
</tr>
</table>
<h3>Argus<br>
Canon<br>
Casio<br>
Dygitell<br>
Fuji<br>
Kodak<br>
Konica<br>
Minolta<br>
Nikon<br>
Olympus<br>
Pentax<br>
Sony<br>
Toshiba<br>
</h3>
<h3>Contact details</h3>
</body>
</html>
```

External stylesheet attached (1 mark) 17.1.1
Any name can be used

Reference from hyperlink 'Dygitell Cameras' to open SWAB5CAM.HTM in new window called EXTERNAL (1 mark) 18.2.2

Table border set to 3 point (1 mark) 19.1.2

SWAB5CAM.JPG in this cell
Any vertical alignment is acceptable.
Image should be centre aligned.
Resized to 250 pixels high
Image resized (1 mark) 20.2.1

NEW DIGITAL CAMERAS FROM DYGITELL

BASIC MODEL Z99

Point-and-shoot ability
Convenient to carry
A perfect introduction to digital photography

ADVANCED MODEL Z108

More creative control
Impressive zoom and ultra zoom models
Great for the advanced amateur and photo enthusiast

FILE FORMAT

TIFF
JPEG
MOV (movie)

SHOOTING MODES

5 Modes including:
Aperture Priority
Shutter Priority
Manual

FLASH MODES

Auto
Fill-in
Red-eye
Slow sync1
Slow Sync

MEMORY

8MB SmartMedia

DIMENSIONS (W, H, D) INCHES

4.3 x 3.0 x 2.8



SWAB5PHO.JPG in this cell
Any vertical or horizontal alignment is acceptable
Image resized to 400 pixels wide
All image must be visible
Aspect ratio must be maintained
Image placed as specified (1 mark) 20.2.1



Check this Image has replaced the text (1 mark) 20.1.2

```

<html>
<head>
<meta http-equiv=Content-Type content="text/html; charset=windows-1252">
<link rel=File-List href="swab5cam_files/filelist.xml">
<title>NEW DIGITAL CAMERA BY DYGITELL</title>
<link rel="stylesheet" type="text/css" href="cam.css">
</head>

<body lang=EN-GB style='tab-interval:36.0pt'>

<h1>NEW DIGITAL CAMERAS FROM DYGITELL</h1>

<table border="0" cellpadding="0" cellspacing="0" width="767">
  <tr>
    <td width="487">

<h2>Basic Model Z99</h2>

<h3>Point-and-shoot ability<br>
Convenient to carry<br>
A perfect introduction to digital photography</h3>

<h2>Advanced Model Z108</h2>

<h3>More creative control<br>
Impressive zoom and ultra zoom models<br>
Great for the advanced amateur and photo enthusiast </h3>
<h2>File format<o:p></o:p></h2>
<h3>TIFF<br>
JPEG<br>
MOV (movie)</h3>
<h2>Shooting modes</h2>
<h3>5 Modes including:<br>
Aperture Priority<br>
Shutter Priority<br>
Manual</h3>
<h2>Flash modes</h2>
<h3>Auto<br>
Fill-in<br>
Red-eye<br>
Slow sync<br>
Slow Sync</h3>
<h2>Memory</h2>
<h3>8MB SmartMedia</h3>
<h2>Dimensions (w, h, d) inches</h2>
<h3>4.3 x 3.0 x 2.8</h3>
    </td>
    <td width="276"></td>
  </tr>
</table>

<p><a href="swab5hm.htm"></a></p>

</body>

</html>

```

External stylesheet applied (1 mark) 17.1.4
Any name can be used

SWAB5PHO.JPG
Any vertical or horizontal alignment is acceptable
Image resized 400 pixels wide
All image must be visible
Image resized (1 mark) 20.2.1

Check for SWAB5ICO.GIF not .JPG - Width 35
Image converted to GIF (1 mark) 20.2.2
Image resized to be 35 pixels wide and maintain the aspect ratio (1 mark) 20.2.1
Hyperlink created from graphic to SWAB5HM.HTM (1 mark) 18.2.1

SLIDE 1

Heading:
Dark blue, centred, large font between 50 & 72 point
Heading formatted correctly, (1 mark) 22.1.1
Text of heading entered correctly (1 mark) 22.2.1

Master slide – check consistency
Candidate name and date top right, colour black, small text, (1 mark) 22.1.1
Font size to be smallest text on the slide

The slide has a light blue background. At the top right, it says '19 November 2003' and 'Candidate Name'. In the center, the word 'Dygitell' is written in a dark blue, serif font with a red underline. Below it, the text 'Suppliers of a wide range of mobile phones' is written in a bright blue, sans-serif font. In the bottom right corner, there is a small image of a mobile phone. A small number '1' is centered at the bottom of the slide area. On the left side, there is a vertical scale from 0 to 8.

Subheading:
Bright blue, left, medium font between 36 & 46 point
Subheading formatted correctly, (1 mark) 22.1.1
Text of subheading entered correctly (1 mark) 22.2.1

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) 22.2.1
Presenter notes correct + in the right place (1 mark) 22.2.1

Master slide – check consistency
Logo (category 'mobile phones'):
Suitable clipart chosen
Placed in bottom right quadrant of the screen
Logo placed bottom right (1 mark) 22.3.1
Master slide objects not overlapping text or object (1 mark) 22.3.1

SLIDE 2

Heading:
 Dark blue, centred, large font between 50 & 72 point
Heading entered and formatted correctly (1 mark) 22.2.1

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

Horizontal line below heading thick and dark blue
 Any form of line is acceptable
Line present (1 mark) 22.3.3

Background:
 Light blue
 Must be consistent throughout all slides

19 November 2003
 Candidate Name

Bluetooth mobile phones



- o Nokia
- o Ericsson
- o O2
- o Motorola
- o Panasonic

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 chart (1 mark) 22.2.1
Bulleted list formatted correctly (1 mark) 22.1.1

We stock mobiles for all... Visit our website www.dvigitel.com

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

Nokia	250
Ericsson	560
O2	625
Motorola	675
Panasonic	375

Chart created correctly (1 mark) 22.3.2
No legend displayed (1 mark) 22.3.2

Presenter Notes:
 Must be printed with slide
 Allow one data entry error

Slide number inserted centred

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

SLIDE 3

Heading:
Dark blue, centred, large font between 50 & 72 point
Text & formatting of heading correct (1 mark) 22.2.1

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

Background:
Light blue
Must be consistent throughout all slides

19 November 2003

Candidate Name

We guarantee

- o Full refund if not completely satisfied
- o Trade in of your old mobile phone
- o 50 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) 22.2.1
Bulleted list formatted correctly – must be consistent with slide 2 (1 mark) 22.1.1

Graphic (category 'phone):
Suitable clipart,
Clipart inserted correctly (1 mark) 22.3.1

3

We feel that our service is the best.

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

From ARF
Colour correct (1 mark) 22.1.1
Slide transitions added (1 mark) 23.1.1
Slide animation added (1 mark) 23.2.1