

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

**November 2004**

**INTERNATIONAL GCSE**

**MARK SCHEME**

**MAXIMUM MARK : 72**

**SYLLABUS/COMPONENT : 0418/04**

**INFORMATION TECHNOLOGY**

**Formula:**  
**Countif – number of treadmills in range**  
**COUNT function used correctly (1 mark) 12.1.4**  
 Alignment not important  
 Row/Column may not be the same as this example

**Formula:**  
**IF Purchase price > 500 then Purchase price multiplied by content of named cell 'ten' else purchase price multiplied by content of named cell 'five'**  
**IF function used correctly to achieve the right result (1 mark) 12.1.4**  
**Named cell range 'ten' used (1 mark) 12.1.3**  
**Named cell range 'five' used (1 mark) 12.1.3**  
 Alignment not important  
 Row/Column may not be the same as this example  
 Must contain the use of named cells

<b>Information Table</b>					
Mark-up	0.05		0.1		
<b>Number of stock items</b>	<b>Treadmills</b>				
	=COUNTIF(\$B\$9:\$B\$20,"Treadmill")				
<b>Date</b>	<b>Equipment</b>	<b>Type</b>	<b>Purchase price</b>	<b>Mark-up price</b>	<b>Retail price</b>
	Treadmill			=IF(D9>500,D9*ten,D9*five)	=SUM(D9:E9)
	Treadmill			=IF(D10>500,D10*ten,D10*five)	=SUM(D10:E10)
	Exercise bike			=IF(D11>500,D11*ten,D11*five)	=SUM(D11:E11)
	Treadmill			=IF(D12>500,D12*ten,D12*five)	=SUM(D12:E12)
	Treadmill			=IF(D13>500,D13*ten,D13*five)	=SUM(D13:E13)
	Exercise bike			=IF(D14>500,D14*ten,D14*five)	=SUM(D14:E14)
	Treadmill			=IF(D15>500,D15*ten,D15*five)	=SUM(D15:E15)
	Exercise bike			=IF(D16>500,D16*ten,D16*five)	=SUM(D16:E16)
	Treadmill			=IF(D17>500,D17*ten,D17*five)	=SUM(D17:E17)
	Treadmill			=IF(D18>500,D18*ten,D18*five)	=SUM(D18:E18)
	Exercise bike			=IF(D19>500,D19*ten,D19*five)	=SUM(D19:E19)
	Exercise bike			=IF(D20>500,D20*ten,D20*five)	=SUM(D20:E20)

**Formula:**  
 Retail price = Purchase price + Mark-up price  
**Retail Price formula correct (1 mark) 12.1.3**

**Data model created as shown (1 mark) 12.1.1**  
**All of the formulae and labels are visible (1 mark) 14.2.1**  
**Landscape orientation (1 mark) 14.3.1**  
**Formulae displayed (1 mark) 15.1.1**  
**Data fits on single page (1 mark) 15.1.1**

**Replication:**  
**Both formulae replicated correctly (1) 12.1.1**

Format Mark-up as % 0 dp  
 Cells in Information Table formatted to %  
 and 0dp - values as shown (1 mark) 14.1.1

Format the results in the Purchase price, Mark-up price and Retail price columns to 2dp displaying \$  
 All 3 columns formatted to \$ and 2dp right aligned (1 mark) 14.1.1

Information Table					
Mark-up	5%	10%			
<b>Number of stock items</b>	<b>Treadmills</b>				
	7				
Date	Equipment	Type	Purchase price	Mark-up price	Retail price
June 24, 2004	Treadmill	Programmable	\$999.00	\$99.90	\$1,098.90
June 30, 2004	Treadmill	Pulse controlled	\$2,250.00	\$225.00	\$2,475.00
July 6, 2004	Exercise bike	Fitness	\$350.00	\$17.50	\$367.50
July 15, 2004	Treadmill	Manual	\$495.00	\$24.75	\$519.75
July 19, 2004	Treadmill	Programmable folding	\$1,870.00	\$187.00	\$2,057.00
July 20, 2004	Exercise bike	Recumbent	\$570.00	\$57.00	\$627.00
July 26, 2004	Treadmill	Electronic foldaway	\$2,485.00	\$248.50	\$2,733.50
August 2, 2004	Exercise bike	Magnetic	\$749.00	\$74.90	\$823.90
August 2, 2004	Treadmill	Electronic foldaway	\$729.00	\$72.90	\$801.90
August 7, 2004	Treadmill	Programmable	\$3,195.00	\$319.50	\$3,514.50
August 17, 2004	Exercise bike	Swing folding	\$599.00	\$59.90	\$658.90
August 22, 2004	Exercise bike	Magnetic	\$279.00	\$13.95	\$292.95

**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

Date	Equipment	Type	Purchase price	Mark-up price	Retail price
July 19, 2004	Treadmill	Programmable folding	\$1,870.00	\$187.00	\$2,057.00
July 26, 2004	Treadmill	Electronic foldaway	\$2,485.00	\$248.50	\$2,733.50
August 2, 2004	Treadmill	Electronic foldaway	\$729.00	\$72.90	\$801.90
August 17, 2004	Exercise bike	Swing folding	\$599.00	\$59.90	\$658.90

Searching:  
*Type contains foldaway or folding*  
Only these four rows should be visible  
**Correct data extracted (2 marks) 13.1.1**  
All data must be visible

New web page called PUHOME.HTM  
Does not need to be labelled  
Homepage created (1 mark) 18.1.1

0418/04 W

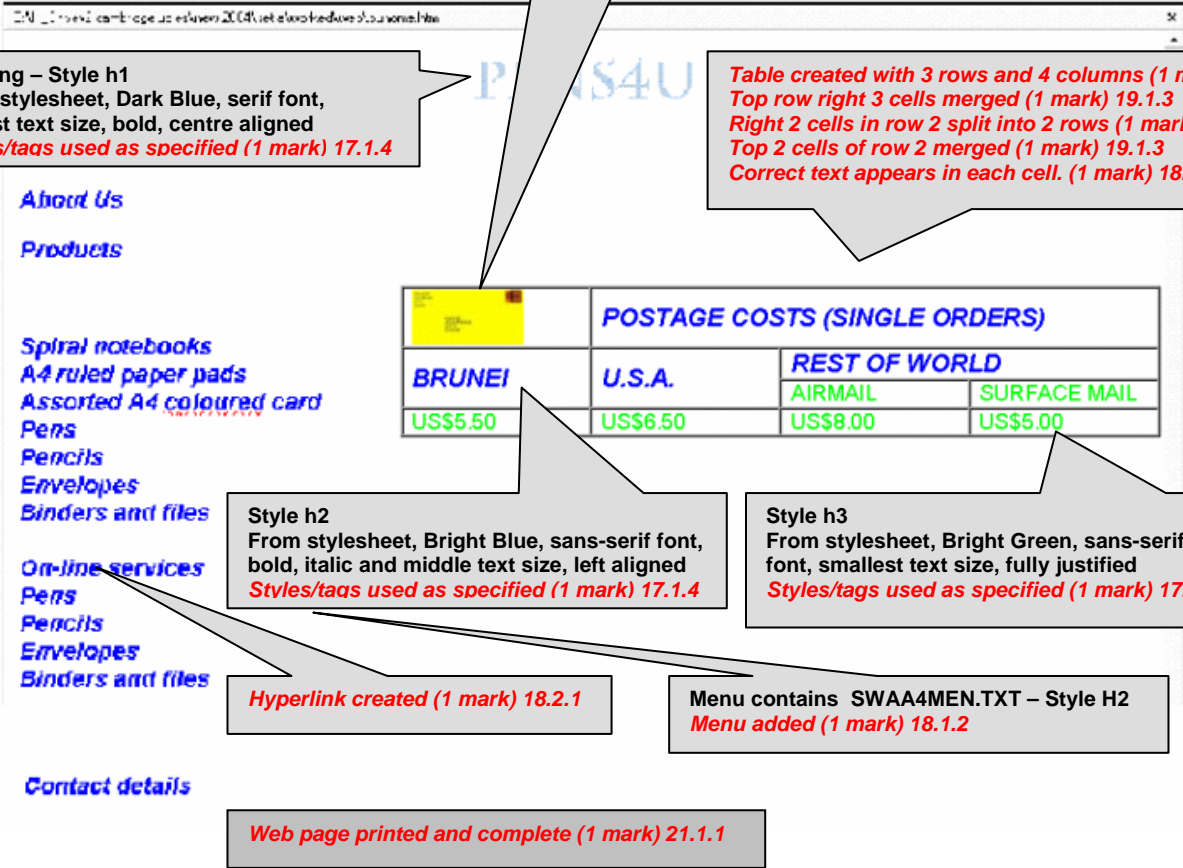
SWAA4PST.JPG in this cell  
Any vertical or horizontal alignment is acceptable  
All image must be visible  
Image inserted (1 mark) in correct position (1 mark) 20.1.1

04

All files downloaded (1mark) 16.1.1, 16.2.1

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

Table created with 3 rows and 4 columns (1 mark) 19.1.1  
Top row right 3 cells merged (1 mark) 19.1.3  
Right 2 cells in row 2 split into 2 rows (1 mark) 19.1.3  
Top 2 cells of row 2 merged (1 mark) 19.1.3  
Correct text appears in each cell. (1 mark) 18.1.1



Style h2  
From stylesheet, Bright Blue, sans-serif font,  
bold, italic and middle text size, left aligned  
Styles/tags used as specified (1 mark) 17.1.4

Style h3  
From stylesheet, Bright Green, sans-serif  
font, smallest text size, fully justified  
Styles/tags used as specified (1 mark) 17.1.4

Hyperlink created (1 mark) 18.2.1

Menu contains SWAA4MEN.TXT – Style H2  
Menu added (1 mark) 18.1.2

Web page printed and complete (1 mark) 21.1.1

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

```
<html>
<title>PENS4U IVA</title>
<link rel="stylesheet" type="text/css" href="pen.css">
</style>
</head>

<body>

<h1>PENS4U</h1>
<h2>&nbsp;</h2>
<h2>About Us</h2>
<h2>Products</h2>
<div align="right">
  <table border="4" width="64%" align="right">
    <tr>
      <td width="80%" colspan="4">
        <h2>&nbsp;
          POSTAGE COSTS (SINGLE ORDERS)</h2>
      </td>
    </tr>
    <tr>
      <td width="17%" rowspan="2">
        <h2>BRUNEI</h2>
      </td>
      <td width="20%" rowspan="2">
        <h2>U.S.A.</h2>
      </td>
      <td width="40%" colspan="2">
        <h2 align="center">REST OF WORLD</h2>
      </td>
    </tr>
  </table>
</div>
```

External stylesheet attached (1 mark) 17.1.1

Check for table border set to 4 (1 mark) 19.1.2

```

</tr>
<tr>
  <td width="20%">
    <h3>AIRMAIL</h3>
  </td>
  <td width="20%">
    <h3>SURFACE MAIL</h3>
  </td>
</tr>
<tr>
  <td width="17%">
    <h3 align="left">US$5.50</h3>
  </td>
  <td width="20%">
    <h3>US$6.50</h3>
  </td>
  <td width="20%">
    <h3>US$8.00</h3>
  </td>
  <td width="20%">
    <h3>US$5.00</h3>
  </td>
</tr>
</table>
</div>
<h2>Spiral notebooks<br>
A4 ruled paper pads<br>
Assorted A4 coloured card<br>
Pens<br>
Pencils<br>
Envelopes<br>
Binders and files<br>
<br>
On-line services<br>
<a href="swaa4pen.htm" target="EXTERNAL">Pens</a><br>
Pencils<br>
Envelopes<br>
Binders and files<br>
</h2>
<h2>Postage and Shipping Costs:</h2>
<h2>Postage is inevitably expensive and Pens4U want to be in a position to
offer you the best rates possible. Please calculate your postage costs by using
the table to right (the code A or B matches the code given on the description
page for the stationery item concerned).</h2>
<h2>Contact details</h2>

</body>

</html>

```

**Reference from hyperlink 'pens' to  
open SWAA4PEN.HTM in new  
window EXTERNAL (1 mark) 18.2.2**

**Html printed (1 mark) 21.1.1**

**Printout of Stylesheet should be included:**

h1 { color: #000080; font-family: Charlesworth; font-size: 36pt; text-align: Center;  
font-weight: bold }  
h2 { color: #0000FF; font-family: Arial; font-size: 14pt; font-style: italic;  
font-weight: bold; text-align: Left }  
h3 { color: #00FF00; font-family: Arial; font-size: 12pt; text-align: Justify }

*Styles created for h1, h2, h3 (3 marks) 17.1.2*  
*Font appearance specified for all styles (1 mark) 17.1.3*  
*Printout of style sheet included (1 mark) 21.1.1*

# TYPES OF PEN

## Fountain

Desk Sets  
Refills

## Ballpoint

Roller Ball  
Porous Point

## Highlighters

Multi-coloured  
Fluorescent



Style H1, H2, H3 used  
No specific instruction on which text  
*Styles applied (1 mark) 17.1.4*

*SWAA4PEN.JPG inserted in right cell (1 mark) 20.1.1*  
All image must be visible



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

*Web page printed and complete (1 mark) 21.1.1*

```
<html>

<head>
<link rel="stylesheet" type="text/css" href="pen.css">
</head>

<body>

<p>&nbsp;&nbsp;&nbsp;</p>
<p>&nbsp;&nbsp;&nbsp;</p>
<p>&nbsp;&nbsp;&nbsp;</p>
<table border="1" width="940">
  <tr>
    <td width="457"><h1>Types of pen</h1>
      <h2>
Fountain&nbsp;&nbsp;&nbsp;</h2>
      <h3>Desk Sets&nbsp;&nbsp;&nbsp;<br>
Refills</h3>
      <h2>Ballpoint&nbsp;&nbsp;&nbsp;</h2>
      <h3>Roller Ball&nbsp;&nbsp;&nbsp;<br>
Porous Point&nbsp;&nbsp;&nbsp;</h3>
      <h2>Highlighters&nbsp;&nbsp;&nbsp;</h2>
      <h3>Multi-coloured<br>
Fluorescent<br>
</h3>
      <p>&nbsp;&nbsp;&nbsp;</p>
    </td>
    <td width="467">
    </td>
  </tr>
</table>
<p><a href="puhome.htm" target="_self"></a></p>

</body>

</html>
```

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

**SWAA4PEN.JPG**  
Any vertical or horizontal alignment is acceptable  
Image resized to 300 pixels maintaining aspect ratio  
All image must be visible  
*Image resized (1 mark) 20.2.1*

**Check for SWAA4ICO.GIF not .JPG**  
*Image converted to GIF (1 mark) 20.2.2*  
*Image resized to be 35 pixels wide (1 mark) 20.2.1*  
*Hyperlink created from graphic to PUHOME.HTM (1 mark) 18.2.1*

*Html printed (1 mark) 21.1.1*



# SLIDE 1

**Background light green, (1 mark) 22.1.1**  
Must be consistent throughout all slides

**Candidate name and date top right, black, small text, (1 mark) 22.1.1**  
Font size to be smallest text on the slide

Candidate Name & Date



**Logo (category 'sports'):**  
Suitable clipart chosen  
Placed in top left quadrant of the screen  
**Logo placed top left (1 mark) 22.3.1**  
**Logo not overlapping text (1 mark) 22.3.1**

**Heading:**  
Dark green, centred, large font between 50 & 68 point  
Allow one data entry error  
**Heading formatted correctly, (1 mark) 22.1.1**  
**Text of heading entered correctly (1 mark) 22.2.1**

# Gymnastic Gym Equipment Suppliers

**Subheading:**  
Bright green, centred, medium font between 36 & 48 point  
Allow one data entry error  
**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.

**Presenter Notes:**  
Must be printed with slide  
Allow one data entry error  
**Presenter notes present (1 mark) 22.2.1**  
**Presenter notes correct + in the right place (1 mark) 22.2.1**

# SLIDE 2

Background:  
Light green  
Must be consistent throughout all slides

**Heading:**  
Dark green, centred, large font between 50 & 68 point  
Allow one data entry error  
*Text of heading entered correctly (1 mark) 22.2.1*

Logo:  
Suitable clipart chosen  
Placed in top left quadrant of the screen

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

Candidate Name & Date

## Products and Costs

---

- treadmill
- exercise bike
- home gym
- rowing machine

Product	Cost
treadmill	1100
exercise bike	259
home gym	2475
rowing machine	550

---

**Bulleted list:**  
Bright green, left aligned, small font between 16 & 34 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*  
From ARF:  
*Bullets animated (1 mark) 23.2.1*

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

We have a wide variety of products. Visit one of our stores soon.

**Vertical Bar Chart created from data – not displaying a legend:**  
treadmill 1100  
exercise bike 259  
Home gym 2475  
Rowing machine 550  
*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  
*Presenter notes present (1 mark) 22.2.1*  
*Presenter notes correct + in the right place (1 mark) 22.2.1*

SLIDE 3

**Heading:**  
Dark green, centred, large font between 50 & 68 point  
Allow one data entry error  
*Text of heading entered correctly (1 mark) 22.2.1*

**Background:**  
Light green  
Must be consistent throughout all slides

**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

**Logo:**  
Suitable clipart chosen  
Placed in top left quadrant of the screen



**Graphic (category 'countries):**  
Suitable clipart chosen  
Placed to left of bulleted list  
*Clipart inserted correctly (1 mark) 22.3.1*

**Bulleted list:**  
Bright green, right aligned, small font between 16 & 34 point  
Allow any bullet points – but must be present  
Allow one data entry error  
*Bulleted list added correctly and in right place (1 mark) 22.2.1*

Candidate Name & Date

# We deliver to:

- Brunei
- Greece
- Italy
- Malaysia
- Iran



The company has branches in all these locations.

Staff are just waiting for your visit.

**From ARF**  
*Slide transitions added (1 mark) 23.1.1*  
*Slide animation added (1 mark) 23.2.1*

**Presenter Notes:**  
Must be printed with slide  
Allow one data entry error  
*Presenter notes present (1 mark) 22.2.1*  
*Presenter notes correct + in the right place (1 mark) 22.2.1*