

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

June 2006

INTERNATIONAL GCSE

MARK SCHEME

MAXIMUM MARK : 72

SYLLABUS/COMPONENT : 0418/03

INFORMATION TECHNOLOGY

Formulae: Countif – number of small
COUNTIF function correct **1 mark**
Countif – number of Large
COUNTIF function correct **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

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

Information Table	
Mark-up	0.05
	0.07
Number of stock items	
Small	=COUNTIF(\$C\$9:\$C\$20,A5)
Large	=COUNTIF(\$C\$9:\$C\$20,A6)

Formula:
Sale = Purchase + Increase
Sale formula correct **1 mark**
 Alignment not important

Date	Item	Size	Purchase	Increase	Sale
38800	Basic exercise bike			=IF(D9>=300,D9*seven,D9*five)	=SUM(D9:E9)
38806	Cross trainer			=IF(D10>=300,D10*seven,D10*five)	=SUM(D10:E10)
38813	Multi gym			=IF(D11>=300,D11*seven,D11*five)	=SUM(D11:E11)
38822	Treadmill			=IF(D12>=300,D12*seven,D12*five)	=SUM(D12:E12)
38856	Rowing machine			=IF(D13>=300,D13*seven,D13*five)	=SUM(D13:E13)
38857	Trampoline			=IF(D14>=300,D14*seven,D14*five)	=SUM(D14:E14)
38863	Benches			=IF(D15>=300,D15*seven,D15*five)	=SUM(D15:E15)
38870	Punch bags			=IF(D16>=300,D16*seven,D16*five)	=SUM(D16:E16)
38870	Weights			=IF(D17>=300,D17*seven,D17*five)	=SUM(D17:E17)
38875	Elliptical cross trainers			=IF(D18>=300,D18*seven,D18*five)	=SUM(D18:E18)
38885	Step trainer			=IF(D19>=300,D19*seven,D19*five)	=SUM(D19:E19)
38890	Press			=IF(D20>=300,D20*seven,D20*five)	=SUM(D20:E20)

Replication:
Both formulae replicated correctly **1 mark**

Layout - Data model created as shown to include date and item **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 stock items	
Small	7
Large	5

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

Date	Item	Size	Purchase	Increase	Sale
March 24, 2006	Basic exercise bike	Small	\$94.00	\$4.70	\$98.70
March 30, 2006	Cross trainer	Large	\$295.00	\$14.75	\$309.75
April 6, 2006	Multi gym	Large	\$449.00	\$31.43	\$480.43
April 15, 2006	Treadmill	Large	\$839.00	\$58.73	\$897.73
May 19, 2006	Rowing machine	Small	\$519.00	\$36.33	\$555.33
May 20, 2006	Trampoline	Large	\$349.00	\$24.43	\$373.43
May 26, 2006	Benches	Small	\$139.00	\$6.95	\$145.95
June 2, 2006	Punch bags	Small	\$258.00	\$12.90	\$270.90
June 2, 2006	Weights	Small	\$79.00	\$3.95	\$82.95
June 7, 2006	Elliptical cross trainers	Large	\$444.00	\$31.08	\$475.08
June 17, 2006	Step trainer	Small	\$45.00	\$2.25	\$47.25
June 22, 2006	Press	Small	\$88.00	\$4.40	\$92.40

Test data:

All data must be 100% accurate. Ignore initial capitalization on any words, other than the first unless there is inconsistency.
 Date must contain month in words. Accept dd/mm/yyyy or mm/dd/yyyy formats

Data added 100% accurately **4 marks**

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

1 mark
1 mark

Searching:
Size equals Large
 Only these five rows should be visible
Correct data extracted **2 marks**
 All columns must be visible

Date	Item	Size	Purchase	Increase	Sale
March 30, 2006	Cross trainer	Large	\$295.00	\$14.75	\$309.75
April 6, 2006	Multi gym	Large	\$449.00	\$31.43	\$480.43
April 15, 2006	Treadmill	Large	\$839.00	\$58.73	\$897.73
May 20, 2006	Trampoline	Large	\$349.00	\$24.43	\$373.43
June 7, 2006	Elliptical cross trainers	Large	\$444.00	\$31.08	\$475.08

Searching:
Date after 01 June 2006 and Purchase is greater than 150
 Only these two rows should be visible
Correct data extracted **2 marks**
 All columns must be visible

Date	Item	Size	Purchase	Increase	Sale
June 2, 2006	Punch bags	Small	\$258.00	\$12.90	\$270.90
June 7, 2006	Elliptical cross trainers	Large	\$444.00	\$31.08	\$475.08

Printout of Stylesheet should be included:

h1 { color: #008000; font-family: Arial; font-size: 45pt; 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: 12pt; text-align: Left }

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

Ensure the candidate's name is printed

Heading – Style h1

From stylesheet, dark green, sans-serif font, largest text size, bold, centre aligned. Accept initial caps or upper case.

Heading 100% correct and h1 used as specified 1 mark

Menu contains SWAD6MEN.TXT - in h2

Menu added

GYMNASTIC

Home Page	<u>Rowing Machine</u>	Order Form
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Table created with 5 rows and 2 columns 1 mark

Merge columns 1 and 2 in the 3rd row 1 mark

Merge columns 1 and 2 in the 4th row 1 mark

Merge columns 1 and 2 in the 5th row 1 mark

Correct text appears in each cell 1 mark

What we do	Our company sells gym equipment to both public and private customers, at well below retail price.
We keep the costs low as we do not have a retail shop, our only shop is on-line.	You can contact our office through many different media.
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 a full listing of our services.	

Style h2 applied to correct text (2 cells), light green, serif font, (approx) 18 point, align left, bold 1 mark

Style h3 applied to correct text (4 cells), light green, sans-serif font, (approx) 14 point, left aligned 1 mark

SWAD6GYM.JPG in this cell
Any vertical alignment is acceptable.
Horizontal centre alignment. Resized to 500 pixels wide.
All image must be visible

Image inserted 1 mark

correct position centre align 1 mark

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

```

<html>

<head>
<title>GYMNASTIC</title>
<link rel="stylesheet" type="text/css" href="gyms.css">
</head>

<body>

<h1>GYMNASTIC</h1>
<div align="left">
  <table border="0" cellpadding="0" cellspacing="0" width="300" align="left">
    <tr>
      <td>
        <h2>Home Page</h2>
      </td>
      <td>
        <h2><a href="SWAD6GYM.HTM" target="EXTERNAL">Rowing Machine</a></h2>
      </td>
      <td>
        <h2>Order Form</h2>
      </td>
    </tr>
  </table>
</div>
<div align="left">
  <table border="4" cellpadding="0" cellspacing="0">
    <tr>
      <td>
        <h2>What we do</h2>
      </td>
      <td>
        <h3>Our company sells gym equipment to both public and private
        customers, at well below retail prices.</h3>
      </td>
    </tr>
    <tr>
      <td>
        <h3>We keep the costs low as we do not have a retail shop, our only shop
        is on-line.</h3>
      </td>
      <td>
        <h3>You can contact our office through many different media.</h3>
      </td>
    </tr>
    <tr>
      <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="2"></td>
    </tr>
    <tr>
      <td colspan="2">
        <h2>In all cases you can order our cata
        services.</h2>
      </td>
    </tr>
  </table>
</div>
</body>

</html>

```

External stylesheet attached 1 mark
Any name can be used

Table border set to 0 point 1 mark

Reference from hyperlink 'Rowing Machine' to open SWAD6GYM.HTM in new window called EXTERNAL 1 mark

Table border set to 4 point 1 mark

SWAD6GYM.JPG in this cell Aspect ratio maintained. Image should be centre aligned. Resized to 500 pixels wide. Image resized 1 mark

E:\H_Drive\2 cambridge ucles\new 2006\set d\worked\SWAD6GYM.HTM

ROWING MACHINES FROM GYMNASTIC

Resistance

Space-saving hydraulic piston resistance to simulate the feel of rowing

Size (L x W x H)

49" x 31" x 24"

Weight

50 lbs

Rowing motion

Standard

Manufactured

Germany

Monitor functions

Measurements of time, number of strokes rowed, stroke rating (with audible setting), energy consumption, automatic display alternation, and target settings

Assembly

Minor assembly required



SWAD6ROW.JPG in this cell
Any vertical or horizontal alignment is acceptable
Image resized to 300 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**
Must be placed outside the table

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

```
<head>
<title>GYM EQUIPMENT SUPPLIED FROM GYMNASTIC</title>
<link rel="stylesheet" type="text/css" href="gyms.css">
</head>

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

<h1>ROWING MACHINES FROM GYMNASTIC</h1>

<table border="0" cellpadding="0" cellspacing="0" width="666" height="571">
  <tr>
    <td width="386" height="416">
      <h2>Resistance</h2>
      <h3>Space-saving hydraulic piston resistance to simulate the feel of
      rowing</h3>
      <h2>Size (L x W x H)</h2>
      <h3>49" x 31" x 24" </h3>
      <h2>Weight</h2>
      <h3>50 lbs</h3>
      <h2>Rowing motion</h2>
      <h3>Standard</h3>
      <h2>Manufactured</h2>
      <h3>Germany</h3>
      <h2>Monitor functions</h2>
      <h3>Measurements of time, number of strokes rowed, stroke rate
      (audible setting), energy consumption, automatic display alternate
      and target settings</h3>
      <h2>Assembly</h2>
      <h3>Minor assembly required</h3>
    </td>
    <td width="276" height="416"></td>
  </tr>
</table>
<p><a href="swad6hm.htm"></a></p>

</body>
```

External stylesheet applied 1 mark
Any name can be used. Stylesheet must not be overridden

SWAD6ROW.JPG
Any vertical or horizontal alignment is acceptable
Image resized 300 pixels wide
All image must be visible
Image resized 1 mark

Check for SWAD6ICO.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 SWAD6HM.HTM 1 mark

SLIDE 1

Master slide – check consistency

Candidate name and today's date top left, colour black, small text, 1 mark
Font size to be smallest text on the slide

Master slide – check consistency
Logo – Any suitable clipart chosen
Placed in top right quadrant of the screen
Logo placed top right 1 mark
Logo not overlapping text or object 1 mark

Candidate Name & Date

Heading:
Dark blue, right aligned, large font between 50 & 68 point
Penalise for initial caps if omitted.
Heading formatted correctly, 1 mark
Text of heading entered correctly 1 mark

The College

Student enrolments

Subheading:
Bright blue, centre aligned, medium font between 36 & 48 point. Ignore initial caps.
Subheading formatted correctly, 1 mark
Text of subheading entered correctly 1 mark

Introduce yourself and your role within the college.

Presenter Notes –
Not on the slide:

100% correct and right place or suitably adapted text.

Presenter notes present

1 mark

SLIDE 2

Candidate's name and today's date:
Placed in top left quadrant of the screen
Colour black

Heading:
Dark blue, right aligned, large font between 50 & 68 point
Do not penalize for capital 'E' if consistent with other slides
Heading entered and formatted correctly 1 mark

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

Double headed arrow dark blue
vertical line between bullet and graph
Any form of arrow head is acceptable
Arrow present 1 mark

Allow 'and'

Bulleted list:
Dark green, left aligned, small font between 16 & 34 point
Allow any bullet points
Bulleted list added correctly and in right place 1 mark
Bulleted list formatted as specified 1 mark

Background:
Light green
Must be consistent throughout all slides

Candidate Name & Date

Department enrolments 2006

- Business/IT
- Catering
- Art & Design
- Science
- Technology

We have a wide variety of courses on offer. Call in and speak to our enrolment department.

Presenter Notes:
100% correct & right place 1 mark

Vertical Bar Chart created from data – displaying a legend:

Business/IT	350
Catering	275
Art & Design	196
Science	371
Technology	215

Chart created correctly 1 mark
legend displayed & valid 1 mark

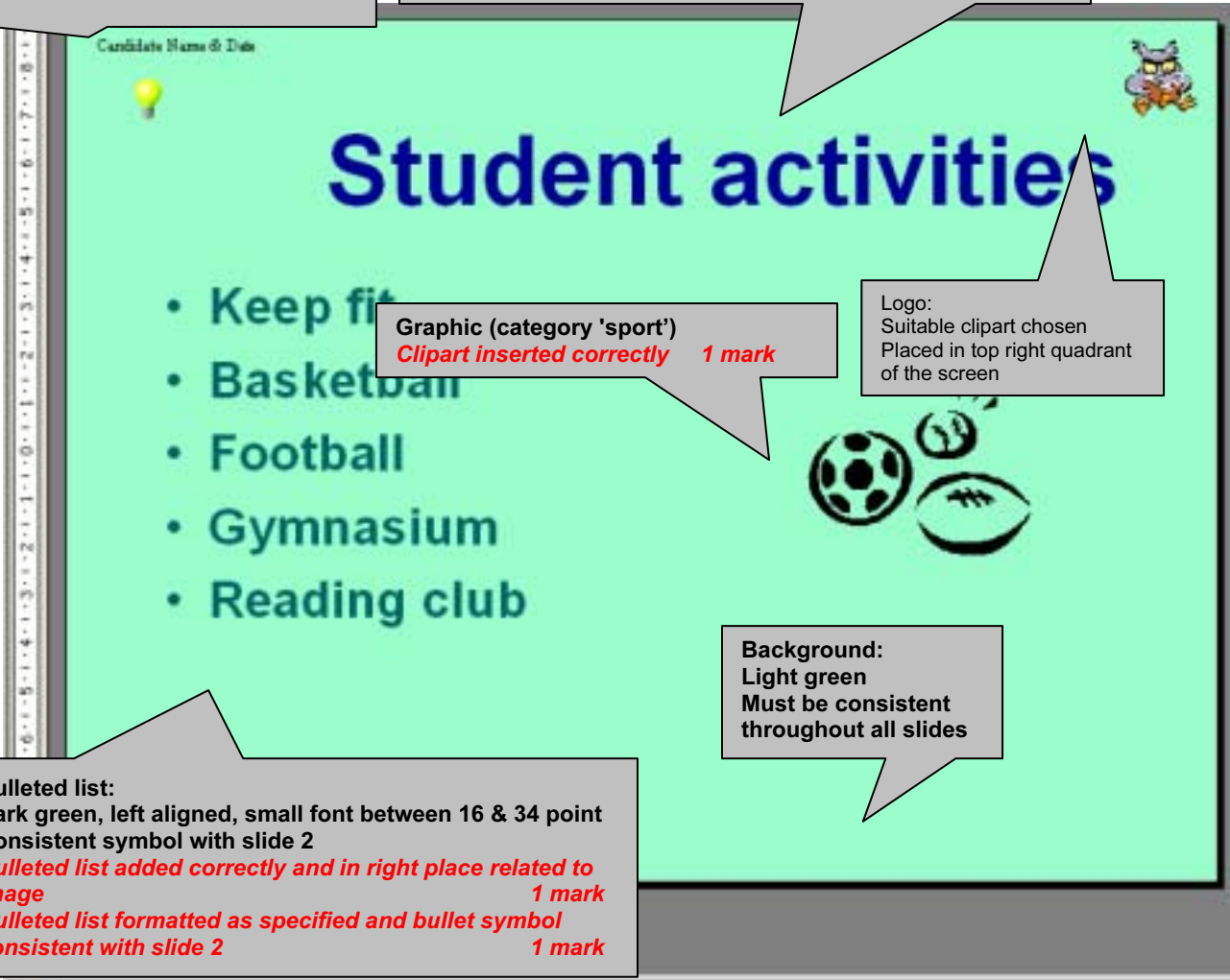
SLIDE 3

Candidate's name and today's date:
Placed in top left quadrant of the screen
Colour black.

Heading:

Dark blue, right aligned, large font between 50 & 68 point
Do not penalize for capital 'A' if consistent with other slides

Heading entered and formatted correctly 1 mark



- Keep fit
- Basketball
- Football
- Gymnasium
- Reading club

Graphic (category 'sport')

Clipart inserted correctly 1 mark

Logo:

Suitable clipart chosen
Placed in top right quadrant
of the screen

Background:

Light green
Must be consistent
throughout all slides

Bulleted list:

Dark green, left aligned, small font between 16 & 34 point
Consistent symbol with slide 2

Bulleted list added correctly and in right place related to image 1 mark

Bulleted list formatted as specified and bullet symbol consistent with slide 2 1 mark

The college offers many extra curricular activities.

Why not call in and discuss your needs?

Presenter Notes:

100% correct & right place 1 mark

From ARF

Colour correct

1 mark

Slide transitions added

1 mark

Slide animation added

1 mark