



Cambridge International Examinations
Cambridge International General Certificate of Secondary Education

INFORMATION AND COMMUNICATION TECHNOLOGY

0417/31

Paper 3 Practical Test B

May/June 2016

MARK SCHEME

Maximum Mark: 80

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the May/June 2016 series for most Cambridge IGCSE[®], Cambridge International A and AS Level components and some Cambridge O Level components.

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Task 1 – Evidence Document


This mark scheme includes the screenshots of the printed evidence that candidates should have included and screen shots from the Evidence Document.

Task 2 – Web Page

You are going to help some trainees develop web pages for The Manta Conservation Project. The first web page will be part of a website used to raise awareness of, and get donations for, conservation projects around the world.

No	Steps	Mark
1	Create a new folder called 1631_html	
2	Locate the following files and place them in your 1631_html folder 1631flags.pdf 1631img1.png 1631img2.png 1631img3.png 1631img4.png 1631img5.png 1631img6.png 1631img7.png 1631logo.png 1631maldives.htm 1631manta.htm 1631manta.jpg 1631manta1.tif 1631stylesheet.css	

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No	Steps	Mark																																																																																
3	<p>A trainee has started to create a single stylesheet to be used with the website. The stylesheet was not finished and contains a number of errors. Open the stylesheet 1631stylesheet.css in a suitable software package. The web page and stylesheet must work in any browser. All colour codes are in hexadecimal. Make sure your stylesheet contains no html.</p>  <p>Correct and complete this stylesheet using the information above. Save this stylesheet in your 1631_html folder. Use the filename 1631st followed by your candidate number. For example, if your candidate number is 9999 then you will call the file 1631st9999.css</p> <table> <tr> <td>table</td> <td>border-style:</td> <td>solid</td> <td>1 mark</td> </tr> <tr> <td></td> <td>border-width:</td> <td>2px</td> <td>1 mark</td> </tr> <tr> <td></td> <td>border-collapse:</td> <td>collapse</td> <td>1 mark</td> </tr> <tr> <td>td</td> <td>border-style:</td> <td>solid</td> <td>1 mark</td> </tr> <tr> <td></td> <td>border-width:</td> <td>1px</td> <td>1 mark</td> </tr> <tr> <td>h1</td> <td>color:</td> <td>#330066</td> <td>1 mark</td> </tr> <tr> <td></td> <td>font-family:</td> <td>“Helvetica Neue”</td> <td>1 mark</td> </tr> <tr> <td></td> <td></td> <td>, Calibri</td> <td>1 mark</td> </tr> <tr> <td></td> <td></td> <td>, sans-serif;</td> <td>1 mark</td> </tr> <tr> <td></td> <td>font-size:</td> <td>36pt</td> <td>1 mark</td> </tr> <tr> <td></td> <td>text-align:</td> <td>center</td> <td>1 mark</td> </tr> <tr> <td>h2</td> <td>color:</td> <td>#330099</td> <td>1 mark</td> </tr> <tr> <td></td> <td>font-family:</td> <td>Arial</td> <td>1 mark</td> </tr> <tr> <td></td> <td>font-size:</td> <td>18pt</td> <td>1 mark</td> </tr> <tr> <td></td> <td>text-align:</td> <td>right</td> <td>1 mark</td> </tr> <tr> <td>p</td> <td>color:</td> <td>#000008</td> <td>1 mark</td> </tr> <tr> <td></td> <td>font-family:</td> <td>sans-serif</td> <td>1 mark</td> </tr> <tr> <td></td> <td>font-size:</td> <td>14pt</td> <td>1 mark</td> </tr> <tr> <td></td> <td>text-align:</td> <td>left</td> <td>1 mark</td> </tr> <tr> <td>body</td> <td>background-color:</td> <td>#99CCFF</td> <td>1 mark</td> </tr> </table>	table	border-style:	solid	1 mark		border-width:	2px	1 mark		border-collapse:	collapse	1 mark	td	border-style:	solid	1 mark		border-width:	1px	1 mark	h1	color:	#330066	1 mark		font-family:	“Helvetica Neue”	1 mark			, Calibri	1 mark			, sans-serif;	1 mark		font-size:	36pt	1 mark		text-align:	center	1 mark	h2	color:	#330099	1 mark		font-family:	Arial	1 mark		font-size:	18pt	1 mark		text-align:	right	1 mark	p	color:	#000008	1 mark		font-family:	sans-serif	1 mark		font-size:	14pt	1 mark		text-align:	left	1 mark	body	background-color:	#99CCFF	1 mark	[20]
table	border-style:	solid	1 mark																																																																															
	border-width:	2px	1 mark																																																																															
	border-collapse:	collapse	1 mark																																																																															
td	border-style:	solid	1 mark																																																																															
	border-width:	1px	1 mark																																																																															
h1	color:	#330066	1 mark																																																																															
	font-family:	“Helvetica Neue”	1 mark																																																																															
		, Calibri	1 mark																																																																															
		, sans-serif;	1 mark																																																																															
	font-size:	36pt	1 mark																																																																															
	text-align:	center	1 mark																																																																															
h2	color:	#330099	1 mark																																																																															
	font-family:	Arial	1 mark																																																																															
	font-size:	18pt	1 mark																																																																															
	text-align:	right	1 mark																																																																															
p	color:	#000008	1 mark																																																																															
	font-family:	sans-serif	1 mark																																																																															
	font-size:	14pt	1 mark																																																																															
	text-align:	left	1 mark																																																																															
body	background-color:	#99CCFF	1 mark																																																																															

Page 4	Mark Scheme	Syllabus	Paper
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No	Steps	Mark
4	<p>Analyse the stylesheet started by the trainee and evaluate its contents.</p> <p>Syntax of style name and { } correct 3 from:</p> <p>Number of styles missing from the stylesheet Style TH created but not required Syntax incorrect = should be a colon 4px not 4pixels</p> <p style="text-align: right;">1 mark 1 mark each point, max 3 marks max 4 marks total</p>	[4]
5	<p>Open the file j1631manta.htm using a suitable software package.</p> <p>Attach the stylesheet saved in step 3 to this web page.</p> <p>Stylesheet attached to web page</p> <p style="text-align: right;">1 mark</p>	[1]
6	<p>Replace the text candidate name, Centre number, candidate number with your name, Centre number and candidate number.</p> <p>All correct</p> <p style="text-align: right;">1 mark</p>	[1]
7	<p>Replace the text <i>Place logo here</i> with the image J1631logo.png</p> <p>Make sure that appropriate text is displayed if this image is not available.</p> <p>Correct insertion of logo in top left cell Appropriate alternate text displayed</p> <p style="text-align: right;">1 mark 1 mark</p>	[2]
8	<p>Make the image 1631logo.png a hyperlink to send an email message to tmcp@cie.org.uk with a subject line Tell me more</p> <p>“mailto: Anchor from 16313logo.png tmcp@cie.org.uk ?subject= Tell%20me%20more”</p> <p style="text-align: right;">1 mark 1 mark 1 mark 1 mark 1 mark</p>	[5]

Page 5	Mark Scheme	Syllabus	Paper
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No	Steps	Mark												
9	<p>Select the most appropriate images from those saved in Step 2 and use them to replace the following text:</p> <ul style="list-style-type: none"> • <i>Place flag of Fiji here</i> • <i>Place flag of Honduras here</i> • <i>Place flag of Indonesia here</i> • <i>Place flag of Maldives here.</i> <p>You may use the file 1631flags.pdf to help you.</p> <p>Resize each of these images to be 140 pixels wide, maintaining the aspect ratio.</p> <p>Either:</p> <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">4 correct insertions of image</td> <td style="text-align: right;">2 marks</td> </tr> <tr> <td style="padding-left: 20px;">3 correct insertions of image</td> <td style="text-align: right;">1 marks</td> </tr> <tr> <td style="padding-left: 20px;">0, 1 or 2 correct insertions of image</td> <td style="text-align: right;">0 marks</td> </tr> </table> <p>Plus:</p> <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">All 4 images resized to 140 pixels wide</td> <td style="text-align: right;">1 marks</td> </tr> </table>	4 correct insertions of image	2 marks	3 correct insertions of image	1 marks	0, 1 or 2 correct insertions of image	0 marks	All 4 images resized to 140 pixels wide	1 marks	[3]				
4 correct insertions of image	2 marks													
3 correct insertions of image	1 marks													
0, 1 or 2 correct insertions of image	0 marks													
All 4 images resized to 140 pixels wide	1 marks													
10	<p>Examine the file <i>1631manta1.tif</i>. Explain in your Evidence Document why this image is unsuitable for inclusion on the Maldives web page and what you could do to enable it to be used.</p> <p>4 from:</p> <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">Image size is too large for efficient download</td> <td style="text-align: right;">1 mark</td> </tr> <tr> <td style="padding-left: 20px;">TIFF format cannot be used in all browsers</td> <td style="text-align: right;">1 mark</td> </tr> <tr> <td style="padding-left: 20px;">Image needs converting to Bitmap graphic</td> <td style="text-align: right;">1 mark</td> </tr> <tr> <td style="padding-left: 20px;">Save with lower image resolution</td> <td style="text-align: right;">1 mark</td> </tr> <tr> <td style="padding-left: 20px;">Image could be cropped</td> <td style="text-align: right;">1 mark</td> </tr> <tr> <td style="padding-left: 20px;">Image could be reduced in size</td> <td style="text-align: right;">1 mark</td> </tr> </table>	Image size is too large for efficient download	1 mark	TIFF format cannot be used in all browsers	1 mark	Image needs converting to Bitmap graphic	1 mark	Save with lower image resolution	1 mark	Image could be cropped	1 mark	Image could be reduced in size	1 mark	[4]
Image size is too large for efficient download	1 mark													
TIFF format cannot be used in all browsers	1 mark													
Image needs converting to Bitmap graphic	1 mark													
Save with lower image resolution	1 mark													
Image could be cropped	1 mark													
Image could be reduced in size	1 mark													
11	<p>Edit the file <i>1631manta1.tif</i> to make it suitable for a web page.</p> <p>Place this image in the web page <i>1631maldives.htm</i> so that it replaces the text <i>Place image 1631maldives here</i></p> <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">File saved in .jpg, .jpeg or .png format</td> <td style="text-align: right;">1 mark</td> </tr> <tr> <td style="padding-left: 20px;">Image resolution reduced during saving</td> <td style="text-align: right;">1 mark</td> </tr> <tr> <td style="padding-left: 20px;">Image resized or cropped</td> <td style="text-align: right;">1 mark</td> </tr> <tr> <td style="padding-left: 20px;">Image placed in web page</td> <td style="text-align: right;">1 mark</td> </tr> </table>	File saved in .jpg, .jpeg or .png format	1 mark	Image resolution reduced during saving	1 mark	Image resized or cropped	1 mark	Image placed in web page	1 mark	[4]				
File saved in .jpg, .jpeg or .png format	1 mark													
Image resolution reduced during saving	1 mark													
Image resized or cropped	1 mark													
Image placed in web page	1 mark													
12	<p>Attach the stylesheet saved in step 3 to this web page.</p> <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">Stylesheet attached to web page</td> <td style="text-align: right;">1 mark</td> </tr> </table>	Stylesheet attached to web page	1 mark	[1]										
Stylesheet attached to web page	1 mark													
13	<p>Replace the text <i>candidate name, Centre number, candidate number</i> with your name, Centre number and candidate number.</p> <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">All correct</td> <td style="text-align: right;">1 mark</td> </tr> </table>	All correct	1 mark	[1]										
All correct	1 mark													
[Total: 48]														

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Task 3 – Spreadsheet

You are going to prepare a spreadsheet to manage the budgets and create charts comparing 6 global projects. Unless working in local currencies, display all currency values rounded to the nearest US dollar. The file **1631currency.csv** contains information about countries and their currencies. Make sure that you use the most efficient methods to do each task.

No	Steps	Mark
14	<p>Using a suitable software package, load the file 1631sheet.csv</p> <p>Save this file as a spreadsheet with the filename 1631_ and your Centre number and candidate number. For example, 1631_ZZ999_9999</p> <p>Insert 2 new rows above row 1.</p> <p>Correctly inserted rows 1 mark</p>	[1]
15	<p>In cell A1 enter the title TMCP Projects 2016</p> <p>In cell A2 enter your name, Centre number and candidate number.</p> <p>TMCP Projects 2016 entered in A1 and candidate details in cell A2 1 mark</p>	[1]
16	<p>Merge cells A1 to H1.</p> <p>Format this cell so that:</p> <ul style="list-style-type: none"> text is centre aligned with a white, 36 point, sans-serif font it has a black background colour. <p>A1 to H1 merged 1 mark sans-serif centre aligned font 1 mark white text, 36 point font 1 mark black background colour 1 mark</p>	[4]
17	<p>In cell B4 enter a function to look up, from the external file 1631currency.csv the name of the currency for Honduras.</p> <p>=VLOOKUP() 1 mark B3 as relative reference 1 mark External file '1631currency.csv' 1 mark Correct range !\$A\$2:\$C\$183 with absolute referencing 1 mark ,3 1 mark ,False or ,0 1 mark</p>	[6]
18	<p>In cell B5 enter a function to total the <i>Amount</i> of money in local currency for the Honduras project.</p> <p>=SUMIF() 1 mark Correct range \$B\$9:\$B\$198 with absolute referencing 1 mark ,B3 as relative reference 1 mark Correct range \$C\$9:\$C\$198 with absolute referencing 1 mark</p>	[4]

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No	Steps	Mark
19	<p>In cell B6 enter a formula to look up, from the external file 1631currency.csv the exchange rate from the local currency to US dollars for Honduras. Multiply this value by total for the local currency, rounded to the nearest dollar.</p> <p>=ROUND(,0) 1 mark VLOOKUP(1 mark B3,'1631currency.csv'!\$A\$2:\$D\$183 1 mark ,4, False (or ,0) 1 mark *B5 1 mark</p>	[5]
20	<p>Replicate the formulae entered in steps 17, 18 and 19 for each project.</p> <p>All 3 formulae replicated 1 mark</p>	[1]
21	<p>In cell H6 enter a function to add the total income in US dollars.</p> <p>=SUM(B6:G6) 1 mark</p>	[1]
22	<p>Sort the list of individual donations into ascending order of <i>Project</i> then descending order of <i>Amount</i></p> <p>Sorted ascending by project 1 mark Then descending by Amount 1 mark</p>	[2]
23	<p>Apply appropriate formatting to all cells in rows 3 to 6 inclusive.</p> <p>Formatting: All currency values right-aligned 1 mark US Dollars. \$ with 0dp 1 mark Fiji, Bermuda, Jamaica \$ with 2dp 1 mark Maldivian Rufiyaa :Rf, MRf, MVR, . or /- with 2dp Indonesian Rupiah: Rp or IDR with 2dp Honduras Lempira: L L. or HNL with 2dp 1 mark</p>	[4]
24	<p>Save your spreadsheet.</p> <p>Print only the cells A1 to I6 showing the formulae. Make sure:</p> <ul style="list-style-type: none"> it is in landscape orientation the row and column headings are displayed the contents of these cells are fully visible. <p>Landscape orientation and contents of A1 to I6 cells visible 1 mark Row and column headings displayed 1 mark</p>	[2]
25	<p>Print the spreadsheet showing the values. Make sure the:</p> <ul style="list-style-type: none"> printout fits on a single page wide contents of all cells are fully visible. <p>Printout fits on single page wide and contents of all cells are fully visible 1 mark</p>	[1]

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Question 3

table	border: solid 2px	1 1
	border-collapse: collapse	1
td	border: solid 1px	1 1
h1	color: #330066 font-family: "Helvetica Neue" , Calibri , sans-serif	1 1 1 1
	text-align: center	1
	font-size: 36pt	1
h2	color: #330099; font-family: Arial;	1 1
	font-size: 18pt	1
	text-align: right	1
p	color: #000008 font-family: sans-serif	1 1
	font-size: 14pt	1
	text-align: left	1
body	background-color: #99CCFF	1

```

1631
File Edit Format View Help
table {border-style: solid;
border-width: 2px;
border-collapse: collapse}
td {border-style: solid;
border-width: 1px}
h1 {color: #330066;
font-family: "Helvetica Neue", Calibri, sans-serif;
font-size: 36pt;
text-align: center}
h2 {color: #330099;
font-family: Arial;
font-size: 18pt;
text-align: right}
p {color: #000008;
font-family: sans-serif;
font-size: 14pt;
text-align: left}
body {background-color: #99CCFF}
    
```

Question 4

Syntax of style name and { } correct

1 mark

3 from:

1 mark each point, max 3 marks

Number of styles missing from the stylesheet

Style TH created but not required

Syntax incorrect = should be a colon

4px not 4pixels

Evaluation	Syntax of style name and { } correct 3 from:	1
	Styles missing from stylesheet Style TH created but not required Syntax incorrect = should be a colon 4px not 4pixels	

max 4 marks total

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Question 9

The screenshot shows a webpage titled 'The Manta Conservation Project'. The page layout includes a header with a logo and title, a 'Background' section with introductory text, a 'Support our project in:' section with a list of countries and their flags, and a 'Distribution' section with a list of geographical locations. A callout box on the right side of the page provides marking instructions for the logo, the text, and the flags.

Logo	TMCP logo in top left cell	1
	Text replaced with candidate details	1
Flags	Fiji, Honduras, Indonesia, Maldives	2
	4 correct for 2 marks, 3 for 1 mark	

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Stylesheet	1631st(cand no).css attached	1
------------	------------------------------	---

```
<!DOCTYPE html>
<html><head><title>The Manta Conservation Project</title>
<link rel="stylesheet" type="text/css" href="1631st9999.css">
</head>
<body><a id="top"></a>
<table style="spacing:2px;padding:2px">
  <tr>
```

Hyperlink	Anchor from 1631logo.png	1
	href="mailto:	1
	tmcp@cie.org.uk	1
	?subject=	1
	Tell me more"	1

```
  <td style="width:150px"><a
href="mailto:tmcp@cie.org.uk?subject=Tell%20me%20more">
</a></td>
  <td style="width:440px" colspan=3>
    <h1>The Manta Conservation Project</h1></td></tr>
<tr>
  <td colspan=4>
    <h1>Background</h1>
```

Logo	1631logo.png appropriate alt text	1
------	-----------------------------------	---

```
<p>The Manta Conservation Project was set up to raise public awareness and
help fund conservation projects of the plight of these gentle giants of the
ocean. They are found in many diverse locations across the globe but for
the next few weeks we will be raising both awareness and funds for projects
in the following locations:
```

```
</p></td></tr>
<tr>
  <td rowspan=6 colspan=2></td>
  <td colspan=2><h2>Support our project in:</h2></td></tr>
<tr>
  <td>
    <h2>Fiji</h2></td>
  <td></td></tr>
```

4 images added	All set to width=140px	1
----------------	------------------------	---

```
<tr>
  <td>
    <h2>Honduras</h2></td>
  <td></td></tr>
<tr>
  <td>
    <h2>Indonesia</h2></td>
  <td></td></tr>
<tr>
  <td>
    <h2>Maldives</h2></td>
  <td></td></tr>
<tr>
  <td colspan=2><p>Click on the flag to select/donate to the
project</p></td></tr>
```

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```

<tr>
<tr><td colspan=4>
  <h1>Distribution</h1>
<p>Mantas are found worldwide, in tropical and temperate waters. This area
includes South Africa, Madagascar, Somalia to Mozambique, Red Sea, Arabian
Sea, bay of Bengal, Myanmar (Burma), Indonesia, Thailand, Malaysia,
Philippines, Cambodia, Japan, northern Australia, Micronesia, New
Caledonia, Fiji, New Guinea, Solomon Islands, Hawaii, southern California
to northern Peru, North Carolina to Brazil, Senegal to Liberia and the
Azores.
</p></td></tr>
  <tr><td colspan=4><p>Webpage last edited by A. Candidate, ZZ999,
9999</p>
    <p><a href="#top">Click here</a> to return to the top of the
page.</p></td></tr>
</table>
</body>
</html>

```

4 from:

Image size is too large
 TIFF format not used in all web browsers
 Needs converting to Bitmap graphic
 Save with lower image resolution
 Image could be cropped
 Image could be reduced in size

Max 4

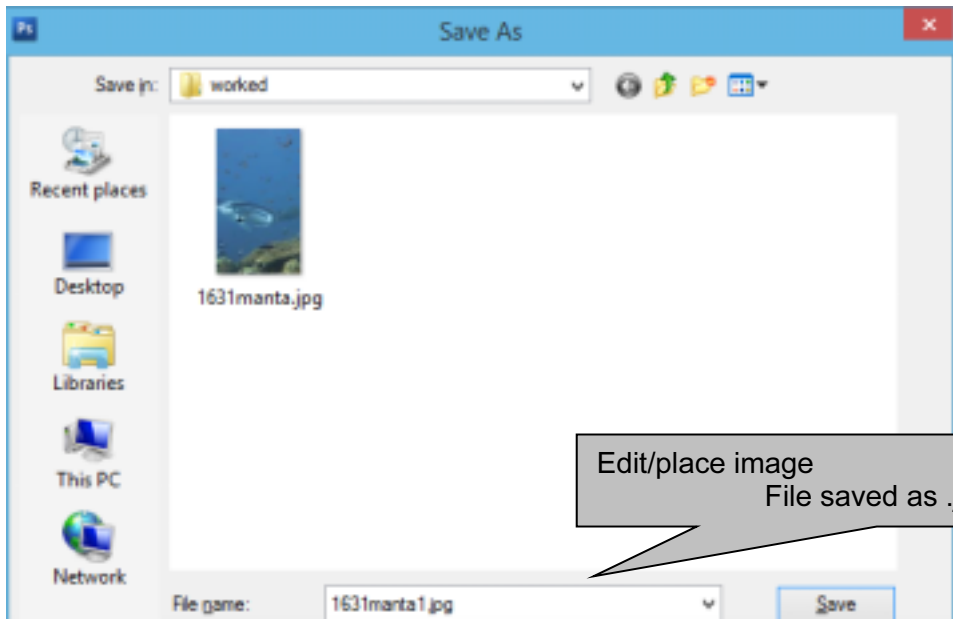
Question 10

Answers containing Max [4] from:

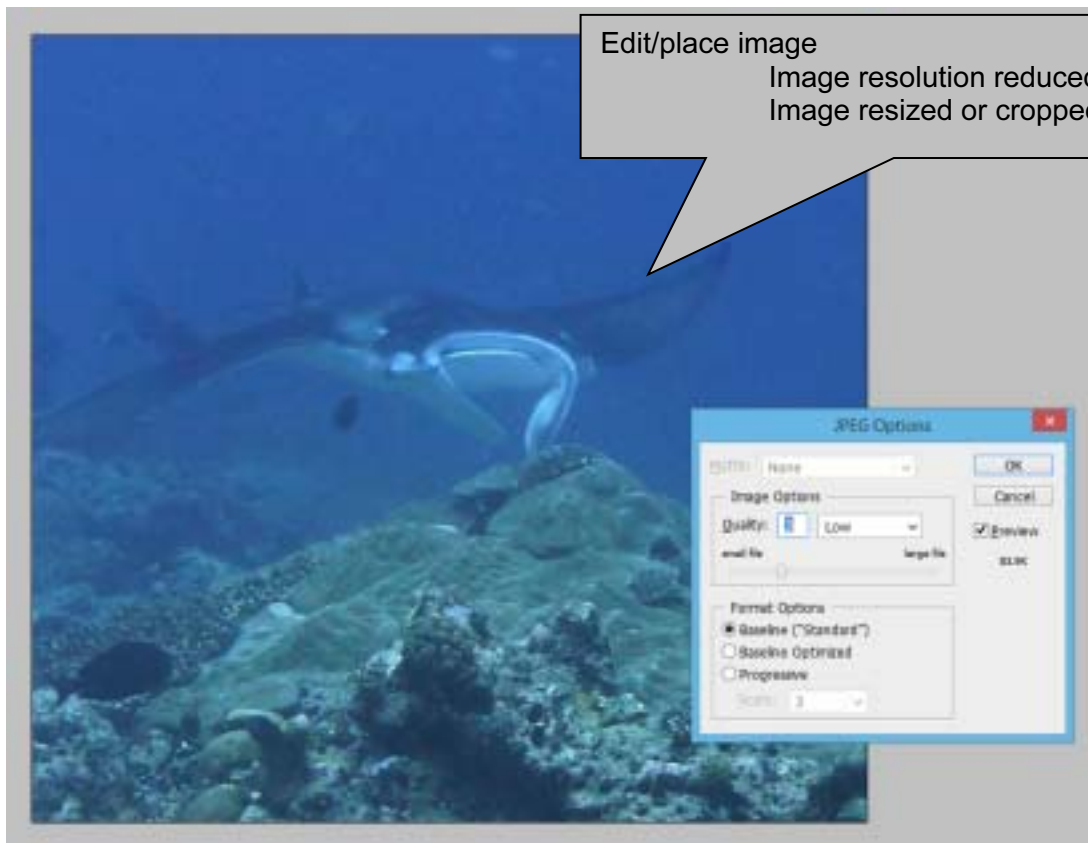
Image size is too large for efficient download
 TIFF format cannot be used in all browsers
 Image needs converting to Bitmap graphic
 Save with lower image resolution
 Image could be cropped
 Image could be reduced in size

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Question 11

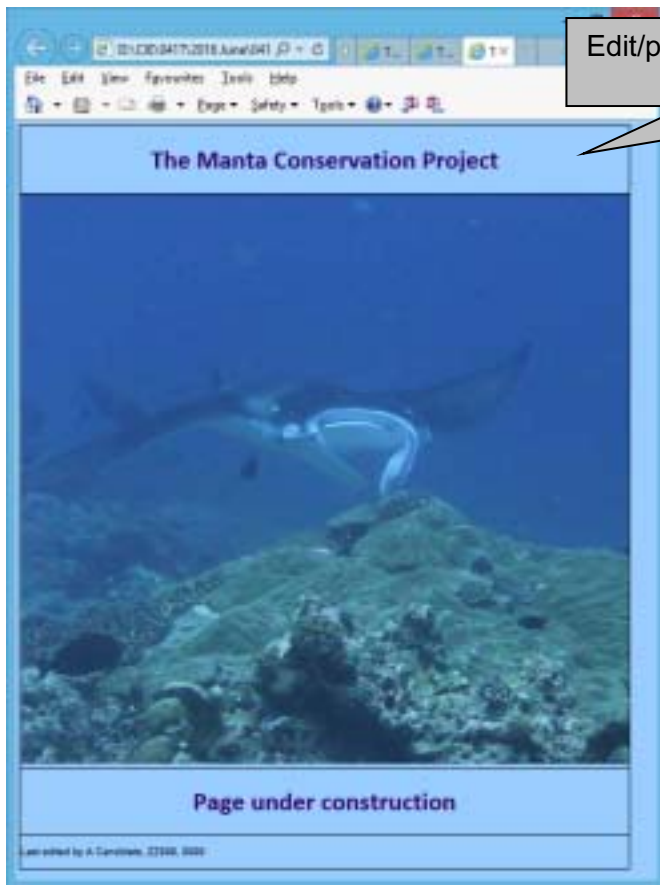


Edit/place image
File saved as .jpg, .jpeg or .png 1



Edit/place image
Image resolution reduced during save 1
Image resized or cropped 1

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Edit/place image

Image placed in web page

1

Attach stylesheet

Stylesheet attached to Maldives page 1

```
<!DOCTYPE html>
<html><head><title>The Manta Conservation Project</title>
<link rel="stylesheet" href="1631st9999.css">
</head>
<body>
<table style="spacing:2px;padding:2px;width:640px">
  <tr>
    <td><h1>The Manta Conservation Project</h1></td></tr>
  <tr>
    <td></td></tr>
  <tr>
    <td><h1>Page under construction</h1></td></tr>
  <tr>
    <td><p>Last edited by A Candidate, ZZ999, 9999</p></td></tr>
</table>
</body>
</html>
```

Candidate details

Text replaced with candidate details 1

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	A	B
1		
2	A Candidate, ZZ999, 9999	
3	Project	Honduras
4	Currency	=VLOOKUP(B3,'1631currency.csv'!\$A\$2:\$C\$183,3,0)
5	Local	=SUMIF(\$B\$9:\$B\$198,B3,\$C\$9:\$C\$198)
6	US Dollars	=ROUND(VLOOKUP(B3,'1631currency.csv'!\$A\$2:\$D\$183,4,0)*B5,0)

Currency VLOOKUP used 1
 Correct relative lookup reference – B3 1
 External file '1631currency.csv' 1
 Range !\$A\$2:\$C\$183 with abs ref 1
 Correct return column 3 1
 ,False for correct only 1

Amount total
 SUMIF() 1
 Range \$B\$9:\$B\$198 with abs ref 1
 ,B3 as relative reference 1
 Range \$C\$9:\$C\$198 with abs ref 1

Exchange rate
 =ROUND(,0) 1
 VLOOKUP() 1
 B3,'1631currency.csv'!\$A\$2:\$D\$183 1
 4, False (or ,0) 1
 *B5 1

	C	D
1		TMCP Pro
2		
3	Indonesia	Maldives
4	=VLOOKUP(C3,'1631currency.csv'!\$A\$2:\$C\$183,3,0)	=VLOOKUP(D3,'1631currency.csv'!\$A\$2:\$C\$183,3,0)
5	=SUMIF(\$B\$9:\$B\$198,C3,\$C\$9:\$C\$198)	=SUMIF(\$B\$9:\$B\$198,D3,\$C\$9:\$C\$198)
6	=ROUND(VLOOKUP(C3,'1631currency.csv'!\$A\$2:\$D\$183,4,0)*C5,0)	=ROUND(VLOOKUP(D3,'1631currency.csv'!\$A\$2:\$D\$183,4,0)*D5,0)

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	E	F
1	Subjects 2016	
2		
3	Fiji	Bermuda
4	=VLOOKUP(E3,'1631currency.csv'!\$A\$2:\$C\$183,3,0)	=VLOOKUP(F3,'1631currency.csv'!\$A\$2:\$C\$183,3,0)
5	=SUMIF(\$B\$9:\$B\$198,E3,\$C\$9:\$C\$198)	=SUMIF(\$B\$9:\$B\$198,F3,\$C\$9:\$C\$198)
6	=ROUND(VLOOKUP(E3,'1631currency.csv'!\$A\$2:\$D\$183,4,0)*E5,0)	=ROUND(VLOOKUP(F3,'1631currency.csv'!\$A\$2:\$D\$183,4,0)*F5,0)

	G	H	I
1	Subjects 2016		
2			
3	Jamaica	Total income	
4	=VLOOKUP(G3,'1631currency.csv'!\$A\$2:\$C\$183,3,0)		
5	=SUMIF(\$B\$9:\$B\$198,G3,\$C\$9:\$C\$198)		
6	=ROUND(VLOOKUP(G3,'1631currency.csv'!\$A\$2:\$D\$183,4,0)*G5,0)	=SUM(B6:G6)	

Total income=SUM(B6:G6) 1

Printout	Landscape A1-I6 fully visible	1
	Row and column headings displayed	1
Replication	All 3 formulae	1

Rows inserted 2 rows above row 1 1
Text inserted TMCP Projects 2016 in A1 and C and details in A2 1
Row 1 A1 to H1 merged 1
sans-serif centre aligned font 1
white text, 36 point font 1
black background colour 1

	A	B						
1	TMCP Projects 2016							
2	A Candidate, Z2999, 9999							
3	Project	Honduras	Indonesia	Maldives	Fiji	Bermuda	Jamaica	Total income
4	Currency	Lempira	Rupiah	Rufiyaa	Dollar	Dollar	Dollar	
5	Local	L 1,699.38	Rp1,399.38	2,170.29	\$1,465.07	\$1,777.34	\$1,348.19	
6	USDollars	\$35,615	\$16,204,680	\$33,227	\$2,660	\$1,777	\$151,197	\$16,429,156
7								
8	Donations	Project	Amount					
9		55: Bermuda	95.12					
10		67: Bermuda	94.05					
11		49: Bermuda	92.62					
12		129: Bermuda	92.14					
13		168: Bermuda	91.23					
14		127: Bermuda	89.91					
15		131: Bermuda	86.94					
16		113: Bermuda	84.53					
17		34: Bermuda	79.85					
18		76: Bermuda	74.07					
19		48: Bermuda	73.32					
20		82: Bermuda	73.3					
21		153: Bermuda	69.19					
22		65: Bermuda	66.55					
23		88: Bermuda	63.17					
24		180: Bermuda	57.64					
25		38: Bermuda	51.89					
26		63: Bermuda	51.57					
27		5: Bermuda	42.13					
28		175: Bermuda	41.76					
29		182: Bermuda	39.45					
30		181: Bermuda	38.42					
31		178: Bermuda	35.46					
32		185: Bermuda	33.26					
33		126: Bermuda	29.92					
34		8: Bermuda	27.48					
35		111: Bermuda	26.47					
36		125: Bermuda	21.12					
37		148: Bermuda	18.41					
38		97: Bermuda	15.19					
39		83: Bermuda	14.4					
40		58: Bermuda	6.78					
41		162: Fiji	95.55					
42		31: Fiji	93.12					
43		75: Fiji	90.55					
44		119: Fiji	87.43					
45		14: Fiji	82.62					
46		106: Fiji	76.96					
47		84: Fiji	75.44					
48		155: Fiji	71.45					
49		86: Fiji	70.91					
50		64: Fiji	69.34					
51		18: Fiji	68.7					
52		172: Fiji	65.08					
53		36: Fiji	58.96					
54		50: Fiji	56.75					
55		115: Fiji	50.2					

Sort Sorted ascending by Project 1
Then descending by Amount 1
Formatting All currency values right-aligned 1
US Dollars. \$ with 0dp 1
6 local currencies to 2 dp 1
Correct currencies for 6 countries 1
Single page wide and fully visible 1

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	A	B	C	D	E	F	G	H
56		96: Fiji	47.38					
57		145: Fiji	44.93					
58		94: Fiji	38.07					
59		59: Fiji	35.64					
60		3: Fiji	34.38					
61		73: Fiji	29.72					
62		160: Fiji	28.01					
63		13: Fiji	22.42					
64		118: Fiji	22.26					
65		77: Fiji	15.39					
66		4: Fiji	12.14					
67		101: Fiji	9.76					
68		121: Fiji	7.38					
69		122: Fiji	3.53					
70		15: Honduras	98.06					
71		26: Honduras	90.56					
72		29: Honduras	89.26					
73		21: Honduras	88.02					
74		112: Honduras	85.01					
75		40: Honduras	84.26					
76		110: Honduras	84.23					
77		139: Honduras	78.62					
78		167: Honduras	75.96					
79		158: Honduras	72.51					
80		163: Honduras	66.21					
81		187: Honduras	66.13					
82		132: Honduras	65.9					
83		151: Honduras	64.01					
84		32: Honduras	62.73					
85		150: Honduras	57.64					
86		41: Honduras	54.43					
87		54: Honduras	48.79					
88		25: Honduras	45.74					
89		184: Honduras	43.15					
90		109: Honduras	42.89					
91		81: Honduras	42.77					
92		91: Honduras	42.05					
93		20: Honduras	37.21					
94		78: Honduras	37.14					
95		136: Honduras	31.49					
96		60: Honduras	18.87					
97		116: Honduras	12.94					
98		47: Honduras	7.34					
99		9: Honduras	3.85					
100		85: Honduras	1.61					
101		44: Indonesia	99.34					
102		95: Indonesia	89.56					
103		141: Indonesia	87.01					
104		46: Indonesia	84.84					
105		134: Indonesia	83.25					
106		56: Indonesia	82.55					
107		189: Indonesia	80.25					
108		171: Indonesia	77.96					
109		103: Indonesia	72.59					
110		173: Indonesia	71.97					
111		72: Indonesia	70.35					
112		159: Indonesia	66.02					

Page 19	Mark Scheme	Syllabus	Paper
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	A	B	C	D	E	F	G	H
113		51	Indonesia	61.67				
114		102	Indonesia	58.23				
115		177	Indonesia	52.95				
116		144	Indonesia	47.04				
117		43	Indonesia	30.26				
118		176	Indonesia	29.19				
119		138	Indonesia	28.15				
120		166	Indonesia	21.92				
121		104	Indonesia	21.04				
122		137	Indonesia	20.15				
123		165	Indonesia	19.27				
124		79	Indonesia	19.21				
125		105	Indonesia	16.32				
126		123	Indonesia	8.29				
127		11	Jamaica	99.2				
128		130	Jamaica	95.06				
129		87	Jamaica	91.43				
130		186	Jamaica	91.42				
131		133	Jamaica	83.69				
132		114	Jamaica	83.6				
133		147	Jamaica	83				
134		90	Jamaica	74.46				
135		93	Jamaica	65.3				
136		27	Jamaica	59.49				
137		35	Jamaica	58.2				
138		179	Jamaica	48.3				
139		164	Jamaica	46.3				
140		124	Jamaica	46.26				
141		154	Jamaica	42.2				
142		52	Jamaica	38.31				
143		71	Jamaica	38.27				
144		28	Jamaica	34.23				
145		183	Jamaica	28.2				
146		12	Jamaica	26.39				
147		117	Jamaica	19.35				
148		80	Jamaica	14.36				
149		6	Jamaica	13.94				
150		174	Jamaica	12.67				
151		22	Jamaica	11.81				
152		1	Jamaica	9.91				
153		66	Jamaica	9.52				
154		23	Jamaica	8.29				
155		142	Jamaica	8.06				
156		135	Jamaica	6.97				
157		107	Maldives	99.23				
158		100	Maldives	97.38				
159		190	Maldives	92.03				
160		62	Maldives	91.08				
161		92	Maldives	90.1				
162		152	Maldives	90				
163		2	Maldives	88.37				
164		53	Maldives	87.48				
165		140	Maldives	81.55				
166		169	Maldives	80.88				
167		45	Maldives	78.9				
168		143	Maldives	77.81				
169		24	Maldives	75.25				

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	A	B	C	D	E	F	G	H
170		7:Maldives	74.81					
171		108:Maldives	70.87					
172		170:Maldives	70.65					
173		98:Maldives	66.12					
174		69:Maldives	65.14					
175		120:Maldives	63.87					
176		99:Maldives	52.1					
177		68:Maldives	46.66					
178		128:Maldives	45.37					
179		33:Maldives	43.54					
180		16:Maldives	42.27					
181		10:Maldives	41.87					
182		161:Maldives	40.41					
183		70:Maldives	39.19					
184		156:Maldives	38.12					
185		74:Maldives	35.65					
186		19:Maldives	25.71					
187		61:Maldives	23.64					
188		42:Maldives	22.43					
189		89:Maldives	20.75					
190		188:Maldives	19.35					
191		17:Maldives	16.59					
192		157:Maldives	15.78					
193		37:Maldives	15.77					
194		146:Maldives	12.74					
195		149:Maldives	12.42					
196		39:Maldives	9.56					
197		30:Maldives	4.5					
198		57:Maldives	4.35					

Page 21	Mark Scheme	Syllabus	Paper
	Cambridge IGCSE – May/June 2016	0417	31

TMCP Projects 2016

A Candidate,
ZZ999, 9999

Project	Honduras	Indonesia	Maldives	Fiji	Bermuda	Jamaica	Total income
Currency	Lempira	Rupiah	Rufiyaa	Dollar	Dollar	Dollar	
Local	L. 1,699.38	Rp1,399.38	2,170.29	\$1,465.07	\$1,777.34	\$1,348.19	
US Dollars	\$35,615	\$16,204,680	\$33,227	\$2,660	\$1,777	\$151,197	\$16,429,156

Donations	Project	Amount
162	Fiji	95.55
31	Fiji	93.12
75	Fiji	90.55
107	Maldives	99.23
100	Maldives	97.38
190	Maldives	92.03
62	Maldives	91.08
92	Maldives	90.1

Extract

Fiji and Maldives
Amount > 90

1

1