Cambridge IGCSE

Cambridge International Examinations
Cambridge International General Certificate of Secondary Education

CANDIDATE
NAME

CENTRE
NUMBER

CANDIDATE
NUMBER

INFORMATION AND COMMUNICATION TECHNOLOGY **0417/31**

Paper 3 Practical Test **May/June 2014**

2 hours 30 minutes

Additional Materials: Candidate Source Files

READ THESE INSTRUCTIONS FIRST

Make sure that your **Centre number**, **candidate number** and **name** are written at the top of this page and are clearly visible on every printout, before it is sent to the printer. Printouts with handwritten information will **not** be marked.

DO **NOT** WRITE IN ANY BARCODES.

Carry out **every** instruction in each step.

Steps are numbered on the left hand side of the page. On the right hand side of the page for each step, you will find a box which you can tick (✓) when you have completed it; this will help you track your progress through the test.

At the end of the exam put this **Question Paper** and **all** your printouts into the Assessment Record Folder.

If you have produced rough copies of printouts, these should be neatly crossed through to indicate that they are **not** the copy to be marked.

This document consists of **6** printed pages and **2** blank pages.

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[Turn over

✓

1 Create a new word processed document.

☐

Make sure your name, Centre number and candidate number appear in the header of each page of this document.

Save this evidence document in your work area as **J1431_** followed by your candidate number. For example, J1431_9999. You will need this file later.

2 Locate and download the following files from the website

☐

http://www.hothouse-design.co.uk/manta-conservation

Place these in your user area:

J1431banner.jpg
J1431bg.jpg
J1431income.csv
J1431ray.jpg
J1431strap.jpg
J1431tmcp.htm

You work for a company called Hothouse Design. You will create a stylesheet and then edit a webpage which promotes The Manta Conservation Project.

The stylesheet and markup must work in all browsers. All styles must be applied through an attached cascading stylesheet and not as in-line styles.

All colour codes are in hexadecimal.

✓

☐

3 Create a single stylesheet called **tmcp.css** using the following styles:

Style		
body	Background	Tiled using the file: J1431bg.jpg
h1	Font face	First choice: **Arial**
		Default: The browser's default sans-serif font
	Alignment	Centre
	Size	32 pixels
h3	Font face	The browser's default serif font
	Alignment	Fully justified
	Size	16 pixels
p	Font face	The browser's default sans-serif font
	Alignment	Fully justified
	Size	12 pixels
li	Numbered list	Numbered list starting at 1
	Alignment	Left
table	Borders	All collapsed
		All solid lines
		External line width 3 pixels
		Internal gridline width 1 pixel
	Width	600 pixels
	Height	300 pixels

Style	Attribute	Colour components		
		Red	Green	Blue
h1		0	0	40
h3		40	40	0
p		0	0	80
table	External border	FF	FF	00
	Internal gridlines	FF	FF	00
	Background	6E	85	9F

✓

4 Open the webpage **J1431tmcp.htm** in your web editing software and attach the stylesheet created in step 3 to this page. ☐

5 Edit the html image attributes for *J1431ray.jpg* so that it is 300 pixels wide and 300 pixels high. Do not edit the original image. ☐

Set an attribute for this image to display the text **Manta image** if the image *J1431ray.jpg* is not available.

6 In the text that ends *…Holiday Company or by clicking here.* make only the words *clicking here* a hyperlink to open the webpage **http://www.xahc.co.uk** in a new window called **_manta** ☐

7 In the text that starts *Email us for details of our Manta*… make only the word *Email* a hyperlink to send an email message to **tmcp@cie.org.uk** with no subject line. ☐

8 In the same paragraph, make only the text *click on this link* a hyperlink to send an email message to **tmcp@cie.org.uk** with a subject line **Donation by** followed by your name and candidate number. ☐

9 Place a copy of the HTML source in your evidence document. ☐

10 Save your webpage. Open this webpage in a web browser. Place a screenshot of this webpage in your evidence document. ☐

11 Place a copy of your stylesheet in your evidence document. ☐

The Manta Conservation Project has regional offices which collect money from research grants, donations and the sale of education packs. The project headquarters are in Brazil. You will use efficient methods to calculate and summarise the income for one week in a spreadsheet.

12 Using a suitable software package, load the file **J1431income.csv** ☐

13 On the left in the header add the text **Week 4** ☐

On the right in the header add the text **Last edited by** followed by your name.

14 On the left in the footer add your Centre number and candidate number. ☐

On the right in the footer add the text **Last edited on** followed by today's date, the text **at** and the time.

15 Merge cells A1 to E1 so they become a single cell. ☐

Format the text in this cell so it is a white **24** point sans-serif font. Format this cell so that it has a dark grey background colour. Centre align the contents of this cell.

16 Format cells C11 to C16 to three decimal places. ☐

17 In cell E11 use a function to calculate the regional income from Africa for the week. Use absolute and relative referencing. Do not use a named range. ☐

Format this cell as South African Rand to two decimal places.

18 Replicate this function for each region in cells E12 to E16. ☐

✓

19 Format cells E12 to E16 into the correct currency format for each region. You may use the Internet or an electronic encyclopaedia to identify the number of decimal places for each currency.

☐

20 Use the cells B11 to C16 to create a named range called **Rate**

Show evidence of the creation of this named range in your evidence document.

☐

21 In cell E19 use the named range *Rate* to calculate the income in Brazilian Real.

Replicate this function for rows 20 to 39.

☐

22 In cell E40 calculate the total income for the week.

☐

23 Format cells E19 to E40 appropriately.

☐

24 In cells C5 to C7, calculate the total income in Brazilian Real for each income type.

Format these cells appropriately.

☐

25 Save and print the spreadsheet showing the values. Make sure that the contents of all cells are fully visible and that the printout fits on a single portrait page.

☐

26 Print the spreadsheet in landscape orientation showing the formulae used. Make sure that the contents of all cells are fully visible and that the printout fits on a single page wide.

☐

27 Create and label a chart to compare the percentage of the income in Real for each region.

Show evidence of any calculations and values used to create the chart in your evidence document.

Place a copy of this chart in your evidence document.

☐

28 Save and print your evidence document.

☐

After the examination time, highlight those portions of the markup which show that:

- the external stylesheet is attached to the webpage
- the image *J1431ray.jpg* is 300 pixels wide and 300 pixels high
- the text **Manta image** is displayed if the image *J1431ray.jpg* is not available
- the hyperlink from the text *clicking here* opens **http://www.xahc.co.uk** in a new window called **_manta**
- the hyperlink from the text *Email* sends an email to **tmcp@cie.org.uk**
- the hyperlink from the text *click on this link* sends an email to **tmcp@cie.org.uk** with a subject line **Donation by** followed by your name and candidate number.

Write today's date in the box below.

Date

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