Cambridge IGCSE

CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

INFORMATION AND COMMUNICATION TECHNOLOGY **0417/31**

Paper 3 Practical Test **February/March 2015**

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.

[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 file in your work area as **m1531_** followed by your candidate number. For example, m1531_9999. You will use this file later as your Evidence Document.

2   Locate and download the following files from the website

http://www.hothouse-design.co.uk/b2n

☐

Place these in your user area:

m1531.css
m1531img1.jpg
m1531img2.jpg
m1531img3.jpg
m1531img4.jpg
m1531img5.jpg
m1531img6.jpg
m1531img7.jpg
m1531img8.jpg
m1531info.png
m1531large.jpg
m1531project.csv
m1531rates.csv
m1531title.jpg

You work for a company called Hothouse Design. You will create a web page and edit a stylesheet for a client called Back2Nature.

You may use an online encyclopaedia or the Internet to help you with tasks 8 and 31.

✓

3 Create a web page called **b2n.htm**

This web page must work in all browsers and will have a table structure as shown below. Table borders and gridlines must be visible. The table will be centre aligned within the browser. Each table cell is identified with a letter and all dimensions are in pixels.

A 700 × 150		
B 200 × 200	C 200 × 200	D 300 × 800
E 200 × 200	F 200 × 200	
G 200 × 200	H 200 × 200	
J 200 × 200	K 200 × 200	
L 200 × 150	M 500 × 150	

The letters shown in the table must **not** appear on your final web page.

4 Place the image **m1531title.jpg** in cell A.

Place the image **m1531large.jpg** in cell D.

5 Place the image **m1531info.png** in cell M.

6 In cell L enter the text

Recently edited by followed by your name, Centre number and candidate number.

Set this text as style h2.

7 In cell:

- C enter the text **Rhinoceros**
- F enter the text **Lemur**
- H enter the text **Otter**
- K enter the text **Lizard**

Set this text as style h1.

✓

8 Using the most appropriate image from **m1531img1.jpg** to **m1531img8.jpg**, place in cell:

- B the image of a rhinoceros
- E the image of a lemur
- G the image of an otter
- J the image of a lizard.

9 Make sure each of the images placed in step 8 is 196 pixels wide and maintains its aspect ratio.

10 Set an attribute for each image to display appropriate text if the image is not available.

11 Make the image *m1531large.jpg* a hyperlink to open the web page **http://www.hothouse-design.co.uk/** in a new window called **_webmaster**

12 Save your web page.

You will edit a stylesheet which will be attached to this web page. Use the most efficient methods to create and edit the styles. All colour codes must be in six digit hexadecimal form. Make sure your stylesheet contains no html.

13 Using a suitable software package, open the stylesheet **m1531.css**

Save this stylesheet in your work area as **m1531_** followed by your candidate number. For example, m1531_9999.css

14 Add to your stylesheet, a style to define the background colour of the page with these hexadecimal colour components:

- Green   A8
- Blue   6E
- Red   A2

15 Set styles h1 and h2 so that the text displayed is centre aligned and the font displayed is:

1st choice	Lucida Grande
2nd choice	Lucida Sans Unicode
3rd choice	The browser's default sans-serif font

16 Set style h1 to have:

- a height of 24 pixels
- a colour with a green component of 1F and no other colour components.

17 Set style h2 to have:

- a height of 16 pixels
- a colour with a blue component of 4C and no other colour components.

✓

18 Add your name, Centre number and candidate number to the bottom of your stylesheet as a comment. ☐

19 Save and print your stylesheet. ☐

20 Attach your stylesheet to the web page saved in step 12. ☐

21 Save your web page. Open this web page in a web browser. Place screenshot(s) of this browser window in your Evidence Document. ☐

22 Place a copy of the HTML source in your Evidence Document. ☐

You are going to use the most efficient methods to examine and extract data using a spreadsheet. The exchange rates used by Back2Nature are fixed at the start of a month and stored in the file m1531rates.csv

23 Using a suitable software package, load the file **m1531rates.csv** ☐

24 Use cells A2 to C173 to create a named range called **Exch** ☐

Show how you created this named range in your Evidence Document.

25 Save this file so that the named range can be used in steps 28 and 29. ☐

26 Using a suitable software package, load the file **m1531project.csv** ☐

Save this file as a spreadsheet.

27 Place your name, Centre number and candidate number in the centre of the header. ☐

Place the automated file name and file path on the right in the footer.

28 Enter a function in cell E3 to look up the name of the local currency for the project location. ☐

Replicate this function so that the name of the local currency is shown for each project.

29 Enter a function in cell F3 to look up the exchange rate of the local currency for the project. ☐

Replicate this function so that the exchange rate is shown for each project.

30 Enter a formula in cell G3 to calculate the value of donations in the local currency. ☐

Replicate this function so that the value of donations is shown for each project.

31 Display: ☐

- all currency values with the appropriate currency symbol

- values in Malagasy ariary as an integer

- all other currencies to 2 decimal places.

Display all values in column F to 1 decimal place.

✓

32 Merge cells A1 to G1 so they become a single cell.

Format the text in this cell so it is a yellow **24** point italic font. Format this cell so that it has a dark blue background. Centre align the contents of this cell.

33 Save and print the spreadsheet showing formulae. Make sure:

- page orientation is landscape

- row and column headings are visible

- the contents of all cells are fully visible

- the printout fits on a single page.

34 Print the spreadsheet showing the values. Make sure that:

- row and column headings are **not** visible

- the contents of all cells are fully visible

- the printout fits on a single page.

35 Examine both spreadsheets and extract a list of all the countries which have the word *African* in their currency name.

36 Sort this extract into ascending order of currency, then into descending order of country name.

37 Print this extract showing the values. Make sure that:

- the contents of row 1 are fully visible

- all extracted data is fully visible.

38 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 web page

- the table is centre aligned in the window

- the alternate text for each image

- that the hyperlink from the large image opens **http://www.hothouse-design.co.uk/** in a new window called **_webmaster**

Write today's date in the box below.

Date

BLANK PAGE

BLANK PAGE