UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

CANDIDATE
NAME

CENTRE
NUMBER

CANDIDATE
NUMBER

INFORMATION AND COMMUNICATION TECHNOLOGY   **0417/31**

Paper 3 Practical Test   **May/June 2013**

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 **7** printed pages and **1** blank page.

UNIVERSITY *of* CAMBRIDGE
International Examinations

[Turn over

✓

1 Create a new word processed document. ☐

Make sure your name, Centre number and candidate number will appear on every page of this document.

Save this evidence document in your work area as **J3EVIDENCE** followed by your candidate number. For example, J3EVIDENCE9999. You will need this file later.

2 Create a new folder called **J1331_web** ☐

3 Locate and download the following files from the website ☐
http://www.hothouse-design.co.uk/hotprop

Store them in your **J1331_web** folder:

J1331-1.JPG
J1331-2.JPG
J1331-3.JPG
J1331-4.JPG
J1331-5.JPG
J1331-6.JPG
J1331-7.JPG
J1331-8.JPG
J1331FARM.TXT
J1331PROP.HTM
J1331STYLE.CSS

A trainee has created a stylesheet to be used with a website. This contains errors. All colour codes are in hexadecimal. The stylesheet should define the following styles:

h1	Colour:	Red 66, Green 0, Blue 0
	Font:	Arial, if not available any sans-serif font
		20 points high
		Centre aligned
h2	Colour:	Red 66, Green 0, Blue 0
	Font:	Arial, if not available any sans-serif font
		15 points high
		Left aligned
h3	Colour:	Red 66, Green 0, Blue CC
	Font:	Arial, if not available any sans-serif font
		12 points high
		Centre aligned
li	Colour:	Red 0, Green 0, Blue 0
	Font:	Times New Roman, if not available any serif font
		12 points high
		Left aligned
		Italic
	Bullets	Disc
p	Colour:	Red 0, Green 0, Blue 0
	Font:	Times New Roman, if not available any serif font
		12 points high
		Left aligned
body	background colour	Red FF, Green FC, Blue 99

✓

4 Open the stylesheet **J1331STYLE.CSS** in a suitable package. The stylesheet was not finished and contains a number of errors. Correct and complete this stylesheet.

5 Save this stylesheet in your **J1331_web** folder. Use the filename **MYSTL** followed by your candidate number. For example: if your candidate number is 9999 then you will call the file MYSTL9999.css

6 Take a screenshot showing the text of your stylesheet and place this in your evidence document. Make sure that the filename is clearly visible.

7 Using a suitable software package, open the file **J1331PROP.HTM**

8 Attach the stylesheet saved in step 5 to this webpage.

9 Replace the text *candidate name, Centre number, candidate number* with your name, Centre number and candidate number.

10 Set the table border to **2** and the cell padding to **10**

11 Select the most appropriate image from those downloaded in step 3 and use it to replace the text *Image of house*

12 Select the most appropriate image from those downloaded in step 3 and use it to replace the text *Image of garage*

✓

13 Select the most appropriate image from those downloaded in step 3 and use it to replace the text *Image of small farm*

14 Use the image placed in step 13 to create a hyperlink to a new webpage called **FARM.HTM** which will open in a new window called **_farm**

15 Select the most appropriate image from those downloaded in step 3 and use it to replace the text *Image of vegetable shop*

16 Resize the images placed in steps 11 to 15 so that they are 180 pixels wide and maintain their aspect ratio.

17 Create a hyperlink from the text **Sales Team** so that it sends an email message with the subject line **Property enquiry** to HotPropSales@cie.org.uk

18 Save the webpage as **PROPERTIES.HTM**

Display the webpage in your browser. If necessary, resize your browser window so that it fills the entire screen. Take a screenshot of the entire screen and place this in your evidence document.

Print a copy of the HTML source.

19 Using a suitable software package, create a new webpage called **FARM.HTM**

20 Attach the stylesheet saved in step 5 to this webpage.

21 This webpage must open in any browser and contain a single table to look like this:

A	
B	
C	D

22 In cell A enter the text:

Hot Properties

Bargain of the week!

Set it as style h1.

23 Open a copy of the image used in step 13. Crop to remove the bottom ⅓ of the image.

Place this image in cell B.

24 In cell C enter the text:

Webpage last edited by:

followed by your name, Centre number and candidate number.

Set this in style p.

25 Place the contents of the file **J1331FARM.TXT** into cell D and set it as style h3.

✓

26 Set the table border to **2**. ☐

27 Save the page as **FARM.HTM** ☐

Display the webpage in your browser. If necessary, resize your browser window so that it fills the entire screen. Take a screenshot of the entire screen and place this in your evidence document.

Print a copy of the HTML source.

You are going to prepare a spreadsheet for HotProp Real Estate. They will use the spreadsheet to calculate their earnings from each property when it is sold. **Display all currency values in dollars with 2 decimal places.**

28 Using a suitable software package, load the file **J1331PROP.CSV** ☐

29 Insert a new row above row 1. ☐

30 In cell A1 enter the text **Bavaro Office** ☐

31 Merge cells A1 to H1 so they become a single cell. ☐

Format the text in this cell so it is a white 18 point sans-serif font. Format this cell so that it is right aligned and has a black background colour.

32 On the left in the header add your name, Centre number and candidate number. ☐

On the right in the header add the text **Last revision on** followed by an automated date and time.

33 Properties 1053 to 1056 are those advertised in the webpage *PROPERTIES.HTM* ☐

For each property, enter the distance from the centre of Bavaro into the *Distance* column of the spreadsheet.

34 In cell C3 enter a formula to calculate the income the property company will make when the property is sold. This is 100 dollars plus two and a half percent of the price of the property. ☐

35 In cell E3 enter a formula to display the viewing cost if a local taxi is used. If the distance to the property is: ☐

- less than 5 kilometres, the cost will be 2 dollars
- 5 kilometres or more and less than 15 kilometres, the cost will be 5 dollars
- 15 kilometres or more, the cost will be 10 dollars.

36 In cell H3 enter a formula to calculate the profit from the sale. This will be calculated by taking from the income; both the viewing cost multiplied by the number of times viewed, and the advertising cost. ☐

37 Apply appropriate formatting to all cells. ☐

38 Replicate the formulae entered in steps 34 to 36 for all properties. ☐

39 In cell H41 enter a formula to calculate the total profit if all the properties were sold. ☐

Edit this formula so that it also rounds this value to the nearest whole dollar.

40 Display the contents of cell H41 so that it shows only integer values. ☐

✓

41 Save and print the spreadsheet showing formulae. Make sure:
- it is in landscape orientation
- the row and column headings are displayed
- the printout is only one page wide
- the contents of all cells are fully visible.

☐

42 Print the spreadsheet showing the values. Make sure:
- the printout fits on a single portrait page
- the contents of all cells are fully visible.

☐

43 Update the spreadsheet with the following data:
- Property number 1053 has been visited 3 times
- Property number 1055 has been visited 5 times

☐

44 Print the spreadsheet showing the values. Make sure:
- the printout fits on a single portrait page
- the contents of all cells are fully visible.

☐

Your manager would like to see the effects of changing the spreadsheet model.

45 The income from the sale of the properties was calculated in step 34. Change the formulae to 150 dollars plus two percent of the price of the property.

☐

46 Print the spreadsheet showing the values. Make sure:
- the printout fits on a single portrait page
- the contents of all cells are fully visible.

☐

47 Save and print your evidence document.

☐

After the examination time - on the html printouts highlight the markup which shows:

- your name, Centre number and candidate number
- the external stylesheet attached to the webpage
- the table border and cell padding
- the four images you have resized
- the hyperlink from the farm image opens the webpage **FARM.HTM** in a new window called **_farm**
- the hyperlink from the text **Sales Team** sends an email message with the subject line **Property enquiry** to **HotPropSales@cie.org.uk**

Write today's date in the box below.

Date

BLANK PAGE