CAMBRIDGE INTERNATIONAL EXAMINATIONS

Cambridge International General Certificate of Secondary Education

MARK SCHEME for the March 2016 series

0417 INFORMATION AND COMMUNICATION TECHNOLOGY

0417/31 Paper 3 (Practical Test B), maximum raw mark 80

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Page 2	Mark Scheme	Syllabus	Paper
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A	В		
	600) × 200	
	C 300 × 300	D 300 × 300	
MACCONTRACTOR			
300 × 1000	E 300 × 100	F 300 × 100	
	G 300 × 300	H 300 × 300	
	I 300 × 100	J 300 x 100	
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Page 3	Mark Scheme	Syllabus	Paper
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in cell: C the image of a plot of land for sale D the image of a builder making a wall G the image of a beach front café H the image of a Portuguese style house 4 correct insertions of image 3 correct insertions of image 1 mark 0, 1 or 2 correct insertions of image 1 mark 0, 1 or 2 correct insertions of image 1 mark 5 Make sure appropriate text is displayed, if an image is not available. Appropriate text set for alt text attribute for all 5 images 1 mark 6 In cell: E enter the text Prime location building plots for sale F enter the text Local construction workers I enter the text Arossim beach front café for sale J enter the text Portuguese colonial style house for sale J enter the text Portuguese colonial style house for sale J enter the text 100% correct All text set into style h2 1 mark All 4 elements of text 100% correct All text set into style h2 1 n cell K enter the text: Web Design by Hothouse Design: Page last edited by: followed by your name, Centre number and candidate number. Set this text as style h3. Text 100% correct plus candidate details Text set into style h3 1 mark Text set into style h3 1 mark 8 Centre align the table in the browser. Save the web page. Table centre aligned within browser window 1 mark Anchor from text Hothouse Design a hyperlink to send an email message to hothouse-design@cie.org.uk with a subject line Make me a website! Anchor from text Hothouse-Design Href="mailto: 1 mark hark" hark Nake me a website!" 10 Attach the stylesheet m16ss.css to the web page. Save the webpage. Stylesheet m16ss.css attached to webpage 1 mark		Using the most appropriate image from m16img1.jpg to m16img8.jpg place				
Description Desc	l	in cell:				
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hothouse-design@cie.org.uk with a subject line Make me a website! Anchor from text Hothouse-Design	٦	Table centre aligned within browser window	1 mark	[1]		
Href="mailto: 1 mark hothouse-design@cie.org.uk 1 mark ?subject= 1 mark Make me a website!" 1 mark 1 mark 1 mark		y	_			
Href="mailto: 1 mark hothouse-design@cie.org.uk 1 mark ?subject= 1 mark Make me a website!" 1 mark 1 mark 1 mark		Anchor from text Hothouse-Design	1 mark			
?subject= 1 mark 1 mark 1 mark 1 mark 1 mark 2 mark 1 mark 1 mark 2 mark 2 mark 1 mark	H	Href="mailto:				
Make me a website!" 1 mark Attach the stylesheet m16ss.css to the web page. Save the webpage.						
10 Attach the stylesheet m16ss.css to the web page. Save the webpage.				[5]		
Save the webpage.			· · · · · ·	[-]		
Stylesneet miless.css attached to webpage 1 mark			4 1	[4]		
		Stylesheet in ross.css attached to webpage	i mark	[1]		

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11	_	et has been created but needs to be improved us ax. Make sure your stylesheet contains no html.	ing the most	
	Open and exa	mine the stylesheet m16ss.css in a suitable soft	ware package.	
	Add the follow	ving to this stylesheet:		
	ht, h2 and h3	Trebuchet If this is not available then Trebuchet MS If neither of these fonts are available, the browser's default sans-serif font.		
	ha	a 24 point font.		
	your styleshe	ne, Centre number and candidate number as a co et. esheet in your m16_html folder.	omment to	
	h1, h2 and h3 Trebuchet ,"Trebuchet Mi ,sans-serif		1 mark 1 mark 1 mark	
	h3 {font-size:24pt	}	1 mark	
	{border:0}		1 mark	
		and h1,h2,h3 for efficient syntax for border-style ed with /* name */	1 mark 1 mark	[7]
12		ested before it is uploaded to the Internet. Descr p a test plan to test the hyperlinks, as part of a to	_	
		lement to be tested	1 mark	
		dentify Expected output	1 mark	
		ains Actual output ains remedial action	1 mark 1 mark	[4]
13	Evaluate the	webpage you have just created.		
	Magenta mask Text under ima	within the page attract attention c on background image makes reading text difficult age/Alt text identifies the image	1 mark 1 mark 1 mark	
		es do not look like professional company site blend with background/has poor contrast between ad text	1 mark 1 mark	
	Image of beac	h front café is taken from too far away	1 mark (Max 4 marks)	[4]

Page 5	Mark Scheme	Syllabus	Paper
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14	Create and format a anyondohant that looks like this				
14	Create and format a spreadsheet that looks like this:				
	Cansaulim Properties				
	Save this spreadsheet with the file name m16_ and your Centre number and candidate number, e.g. m16_ZZ999_9999				
	Place an automated filename which includes the file path, on the header.	e left in the			
	Row 1				
	A1 to E1 merged Sans-serif centre aligned font	1 mark 1 mark			
	White text, largest font	1 mark			
	Black background	1 mark			
	Row 2				
	Row height less than half row 3	1 mark			
	Row 3				
	Sans-serif left aligned font	1 mark			
	Black, italic text	1 mark 1 mark			
	Light grey background	I IIIdik			
	Sheet	4			
	All column widths fully visible Row and column headings visible (this and next printout)	1 mark 1 mark			
	Automated filename with file path placed on left in header	1 mark	[11]		
15	Insert 2 new columns between columns C and D.				
	Columns inserted as specified	1 mark	[1]		
16	Edit the spreadsheet so it looks like this:				
	A B C D E F G				
	Cansaulim Properties				
	Price per Property square Distance Travel				
	3 ID Location Price Area metre in km cost				
	5				
	Row 3	1 mark			
	Alignment changed from left to centre Column widths narrowed	1 mark			
	Text wrapped, 100% accurate, fully visible	1 mark	[3]		
17	In cell E5 enter a formula to calculate the price per square metre	which is			
	the price divided by the area. Use a function to round this value places.				
	=ROUND()	1 mark			
	C5/D5	1 mark			
	,0	1 mark	[3]		

Page 6	Mark Scheme	Syllabus	Paper
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18	In cell G5 enter a formula to calculate the travel cost to this property. This is 10 rupees plus: • 7.5 if the distance is less than 6 • The distance multiplied by 1.5 if the distance is not less than 6					
	Round the trav	el cost up to the next	whole rupe	e.		
	=ROUNDUP() 10+ IF() F5<6 ,7.5 ,F5*1.5				1 mark 1 mark 1 mark 1 mark 1 mark 1 mark	
19	○ Repla ○ Choos ○ Comp ○ Take s	unfinished Test Plan ince the letters A and B se 3 pieces of test data lete the test table as y screenshots from your the test data and resu	with suitable to test the cou carry our tests and p	le heading formula the the test of the tes	ngs a used in step 18 sts ese in the Test Plan.	
	Headings Expective Test data select Test data chose Reasons for che Expected output	and formula tested corrected and Actual Outcome ted 6, one above and or en is easy to calculate moice of test data appropriate calculated correctly factual output shown	ne ne below nanually		1 mark 1 mark 1 mark 1 mark 1 mark 3 marks 1 marks	
20	Apply appropr	iate formatting to row	5 of the spr	eadshee	et	
	Columns C, E a	nd G only formatted to 2	2dp in rupee	s	1 mark	[1]
21	• it fits o	the spreadsheet show on a single landscape ntents of all cells are f	page		Make sure:	
	Single landscap	e page and contents of	all cells fully	visible	1 mark	[1]
22	Add the follow	ing property to your s	preadsheet	:		
	Property ID	Location	Price	Area	Distance in km	
	CP1007	Dona Paula, Panjim	22000000	171	28.1	
	• the pri	dsheet showing the vantout fits on a single partents of all cells are f	oage			
	Printout fits on s	single page and content	s of all cells	are fully	visible 1 mark	[1]

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Question 11 - Evidence 1

```
h1,h2,h3 Trebuchet 1
, "Trebuchet MS" 1
, sans-serif 1
h3 font-size:24pt 1
table,td {border:0} 1
Use of table,td and h1,h2,h3 for efficient syntax for border-style 1
Correct comment added with /* format */ 1
```

```
m16ss.css - Notepad
File Edit Format View Help
             {background-image:url('m16bg.jpg');
body
              background-color:#7c7d76}
h1
             {font-weight:bold;
              font-size:42px;
              text-align: center}
h2
             {font-size:30px;
              text-align:center;
              text-wrap:normal;
              word-wrap:break-word;}
             {font-size:24pt}
h3
             {font-family:Trebuchet, "Trebuchet MS", sans-serif}
h1,h2,h3
table,td {border:0}
/* A Candidate, XX999 9999 */
```

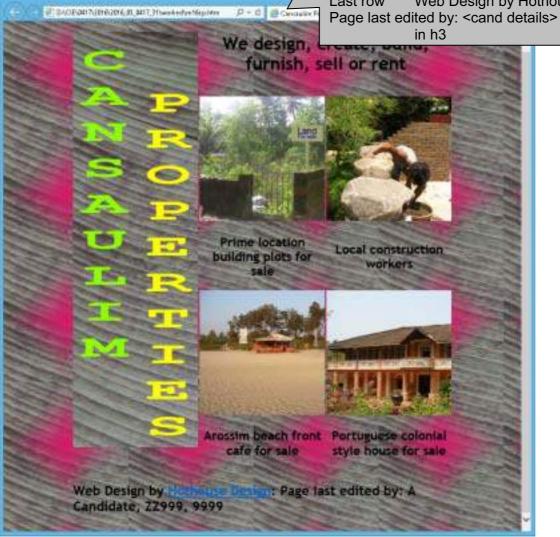
Question 12 - Evidence 2

Identify each hyperlink to be tested	1 mark
For each test identify Expected output	1 mark
Test plan contains Actual output	1 mark
Test plan contains remedial action/retest	1 mark

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Question 12 - Evidence 3

Browser view In browser with no letters vis 1 Table borders not visible 1 Left cell Cansaulim Properties logo 1 Text 100% correct Top row in h1 Images as shown 4 correct for 2 marks, 3 for 1 All 4 elements of text 100% correct 1 in h2 Last row Web Design by Hothouse Design:



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```
Question 12 – Evidence 4
                           Stylesheet m16ss.css attached
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" type="text/css" href="m16ss.css">
    <title>Cansaulim Properties
                           Table
                                  centre aligned in the window
                                                       1
  </head>
                                  Width:900px
                                                       1
  <body>
    Top row
                                  height:200px
                                                       1
       <img src="m16logo.jpg"</pre>
alt="Cansaulim Properties logo">
         Left cell
                                                       1
                                  rowspan=5
          <h1>We design,
                                create, build, furnish,
                                                       or
rent</h1>
                           Top right
                                  colspan=2
                                                       1
         1
          <img src="m16img1.jpg"</pre>
                                 "image of a plot of building
land for sale">
                           3 equal (300 pixels or 33%) cell widths
          <img src="m16img6.jpg" alt="image of a builder making a</pre>
wall">
         1
                           Rows 3 and 5 height: 100px
       <h2>Prime location building plots for sale</h2>
         <h2>Local construction workers</h2>
         <img src="m16img7.jpg" alt="image of a beach front cafe">
          <img src="m16img4.jpg" alt="image of a Portuguese house">
       Alt attribute appropriate alt text for all 5 images 1
       <h2>Arossim beach front café for sale</h2>
         <h2>Portuguese style colonial house for sale</h2>
```

Cambridge IGC	SE – March Row 6	height:80px	0417	31
	Row 6	height:80px		
		colspan=3		1
<pre><h3>We rg.uk?subject=Make%20 ited by: A Candidate, tr></h3></pre>	0me%20a%20	website!">Hothous		
·e>	Hyperlink	href="mailto: hothouse-design@cie ?subject=	,	1 1 1 1
.e>	dence 5	Тіуретшк	href="mailto: hothouse-design@cie	href="mailto: hothouse-design@cie.org.uk ?subject=

Bright colours within the page attract attention
Magenta mask on background image makes reading text difficult
Text under image/Alt text identifies the image
Colour schemes do not look like professional company site
Logo does not blend with background/has poor contrast between background and text
Image of beach front café is taken from too far away

Max 4 marks

