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

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.

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ge 2			Mark Scheme	Syllabus	Paper
			e IGCSE – March 2016	0417	31
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		page called n	-		
	shown below		n all browsers and will have	a table structure as	
	A	В			
		c	D		
		300 × 300	300 × 300		
	300 × 1000	E 300 × 100	F 300 × 100		
		G	H		
		300 × 300	300 × 300		
		I	3		
		300 × 100	300 × 100		
		900 × 80 ell is identified	d with a letter and all dimens		
	Each table ce letters show Table border	900 × 80 ell is identified n in the table r rs must not ap	d with a letter and all dimens must not appear on your fina opear on the final webpage.	al webpage.	
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	Each table ce letters shown Table border Displayed in t Table borders Table width (c Left cell rowsp Top right cell Rows 2 and 4 Rows 3 and 5 Row 6 colspa Row 6 set to 8 3 equal (300 p	900 × 80 ell is identified n in the table of rs must not ap the browser with s not visible for td width last pan set to 5 colspan set to 200 high s set to 300 hig is set to 3 80 high	d with a letter and all dimensemust not appear on your finate opear on the final webpage. h no letters from QP visible row) set to 900px 2 h h cell widths	al webpage. 1 mark 1 mark	[11]
	Each table ce letters shown Table border Displayed in t Table borders Table width (c Left cell rowsp Top right cell Top right cell Rows 2 and 4 Rows 3 and 5 Row 6 colspa Row 6 set to 8 3 equal (300 p	900 × 80 ell is identified in in the table of rs must not ap the browser with a not visible for td width last pan set to 5 colspan set to 200 high set to 300 hig is set to 100 hig n set to 3 80 high pixels or 33%) A the image n	d with a letter and all dimensemust not appear on your finate opear on the final webpage. h no letters from QP visible row) set to 900px 2 h h cell widths	al webpage. 1 mark 1 mark	[11]
	Each table ce letters shown Table border Displayed in t Table borders Table width (c Left cell rowsp Top right cell Rows 2 and 4 Rows 3 and 5 Row 6 colspa Row 6 set to 8 3 equal (300 p Place in cell 2	900 × 80 ell is identified in in the table of rs must not ap the browser with s not visible for td width last pan set to 5 colspan set to 200 high s set to 300 hig is set to 300 hig n set to 3 80 high pixels or 33%) A the image n	d with a letter and all dimens must not appear on your fina- opear on the final webpage. h no letters from QP visible row) set to 900px 2 h h cell widths	al webpage. 1 mark 1 mark	
	Each table ce letters shown Table border Displayed in t Table borders Table width (c Left cell rowsp Top right cell Rows 2 and 4 Rows 3 and 5 Row 6 colspa Row 6 set to 8 3 equal (300 p Place in cell 2	900 × 80 ell is identified in in the table of rs must not ap the browser with a not visible for td width last pan set to 5 colspan set to 200 high set to 300 hig is set to 100 hig n set to 3 80 high pixels or 33%) A the image n operties logo p B the text We	d with a letter and all dimensemust not appear on your finate opear on the final webpage. h no letters from QP visible row) set to 900px 2 h h h cell widths n16logo.jpg placed in top row	al webpage. 1 mark 1 mark	
	Each table ce letters shown Table border Displayed in t Table borders Table width (c Left cell rowsp Top right cell Rows 2 and 4 Rows 3 and 5 Row 6 colspa Row 6 set to 8 3 equal (300 p Place in cell Cansaulim Pro-	900 × 80 ell is identified in in the table of rs must not ap the browser with s not visible for td width last pan set to 5 colspan set to 200 high s set to 300 hig is set to 100 hig n set to 3 80 high pixels or 33%) A the image no operties logo p B the text We as style h1	d with a letter and all dimensemust not appear on your finate opear on the final webpage. h no letters from QP visible row) set to 900px 2 h h h cell widths n16logo.jpg placed in top row	al webpage. 1 mark 1 mark	

Page 3	Mark Scheme	Syllabus	Paper		
	Cambridge IGCSE – March 2016	0417	31		
4	Using the most appropriate image from m16img1.jpg to m16img8.jpg place				
	 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	2 marks			
	3 correct insertions of image	1 mark			
	0, 1 or 2 correct insertions of image	0 marks	[2]		
5	Make sure appropriate text is displayed, if an image is not availa	ble.			
	Appropriate text set for alt text attribute for all 5 images	1 mark	[1]		
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				
	Set all this text as style h2.				
	All 4 elements of text 100% correct All text set into style h2	1 mark 1 mark	[2]		
7	In cell K enter the text: Web Design by Hothouse Design: Page la by: followed by your name, Centre number and candidate number				
	Set this text as style h3.				
	Text 100% correct plus candidate details	1 mark			
	Text set into style h3	1 mark	[2]		
8	Centre align the table in the browser.				
	Save the web page.				
	Table centre aligned within browser window	1 mark	[1]		
9	Make the text Hothouse Design a hyperlink to send an email mes hothouse-design@cie.org.uk with a subject line Make me a webs				
	Anchor from text Hothouse-Design	1 mark			
	Href="mailto:	1 mark			
	hothouse-design@cie.org.uk	1 mark			
	?subject= Make me a website!"	1 mark 1 mark	[5]		
10	Attach the stylesheet m16ss.css to the web page.		[-]		
	Save the webpage.				
		A	[4]		
	Stylesheet m16ss.css attached to webpage	1 mark	[1]		

Page 4		Mark Scheme	Syllabus	Paper		
		Cambridge IGCSE – March 2016	0417	31		
		—				
	The stylesheet has been created but needs to be improved using the most efficient syntax. Make sure your stylesheet contains no html.					
	-	mine the stylesheet m16ss.css in a suitable soft ving to this stylesheet:	ware package.			
			Т			
	h1, 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.	6			
	h3	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		1 mark			
	,"Trebuchet MS	5"	1 mark			
	,sans-serif		1 mark			
	h3		1			
	{font-size:24pt} table and td	}	1 mark			
	{border:0}		1 mark			
	Use of table,td	and h1,h2,h3 for efficient syntax for border-style	1 mark			
	Comment adde	ed with /* name */	1 mark	[7]		
12	A website is tested before it is uploaded to the Internet. Describe how you would develop a test plan to test the hyperlinks, as part of a test strategy.					
	Identifv each e	lement to be tested	1 mark			
		dentify Expected output	1 mark			
		ains Actual output	1 mark			
	Test plan conta	ains remedial action	1 mark	[4]		
13	Evaluate the v	vebpage you have just created.				
	Bright colours	within the page attract attention	1 mark			
	-	on background image makes reading text difficult	1 mark			
		age/Alt text identifies the image	1 mark			
		es do not look like professional company site blend with background/has poor contrast between	1 mark			
	background an	•	1 mark			
	-	h front café is taken from too far away	1 mark			
			(Max 4 marks)	[4]		

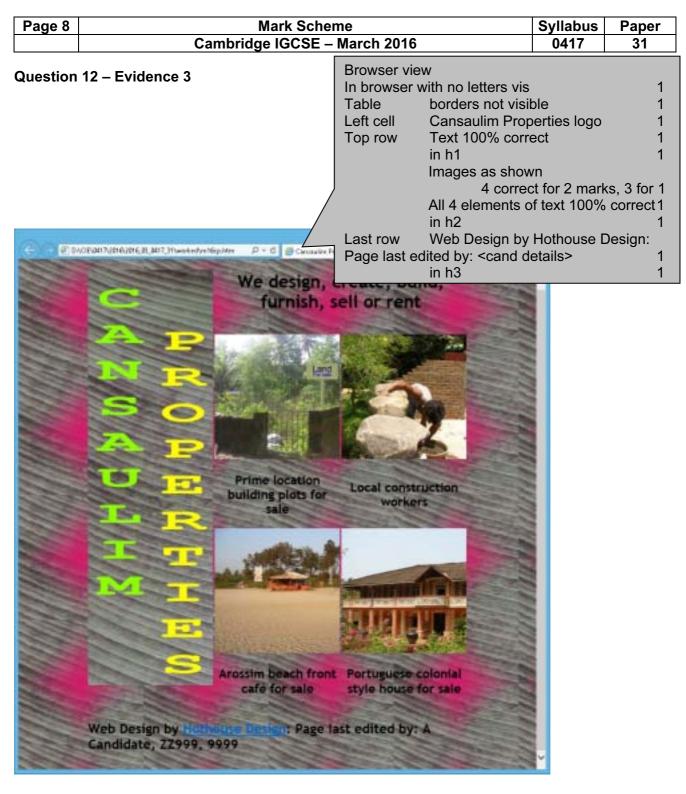
Page 5	Mark Scheme	Syllabus	Paper		
	Cambridge IGCSE – March 2016	0417	31		
14	Create and format a spreadsheet that looks like this:				
	A B C D E				
	Cansaulim Properties				
	3 Property ID Location Price Distance in km Travel cost				
	Save this spreadsheet with the file name m16_ and your Centre n	umber and			
	candidate number, e.g. m16_ZZ999_9999	a f t in the			
	Place an automated filename which includes the file path, on the header.	left in the			
	Row 1				
	A1 to E1 merged	1 mark			
	Sans-serif centre aligned font	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	<i>.</i>			
	Sans-serif left aligned font	1 mark 1 mark			
	Black, italic text Light grey background	1 mark			
		THAIR			
	Sheet				
	All column widths fully visible	1 mark			
	Row and column headings visible (this and next printout)	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]		
		I IIIdik	[']		
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				
	Alignment changed from left to centre	1 mark			
	Column widths narrowed Text wrapped, 100% accurate, fully visible	1 mark 1 mark	[3]		
	Text wrapped, 100 % accurate, fully visible	THAIR	[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 to	o 0 decimal			
	places.				
		1 mark			
	places. =ROUND() C5/D5	1 mark 1 mark			

Page 6		Mark Sche	me			Syllabus	Paper
		Cambridge IGCSE –	March 2010	6		0417	31
	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						
		el cost up to the next					
				0.			
	=ROUNDUP() 10+ IF() F5<6 ,7.5 ,F5*1.5 ,0					1 mark 1 mark 1 mark 1 mark 1 mark 1 mark 1 mark	
	 ○ Replace ○ Choose ○ Comple ○ Take set 	Infinished Test Plan in the letters A and B are 3 pieces of test data lete the test table as y acreenshots from your the test data and resu	with suitable to test the ou carry ou tests and p	le headir formula t the tes place the	ngs i used in s ts ese in the	-	
	Headings Expect Test data select Test data chose Reasons for cho Expected output	nd formula tested corre eted and Actual Outcom ed 6, one above and or n is easy to calculate m nice of test data appropri calculated correctly actual output shown	e ne below nanually			1 mark 1 mark 1 mark 1 mark 1 marks 1 marks	
20	Apply appropri	ate formatting to row	5 of the spr	eadshee	t		
	Columns C, E a	nd G only formatted to 2	2dp in rupee	S		1 mark	[1]
21	 it fits o 	the spreadsheet show n a single landscape ntents of all cells are f	page		lake sure	:	
	Single landscap	e page and contents of	all cells fully	visible		1 mark	[1]
22	Add the following property to your spreadsheet:						
	Property ID	Location	Price	Area	Distand	ce in km	
	CP1007	Dona Paula, Panjim	22000000	171	28.1		
	 Print the spreadsheet showing the values. Make sure: the printout fits on a single page the contents of all cells are fully visible. 						
	Printout fits on single page and contents of all cells are fully visible 1 mark						[1]

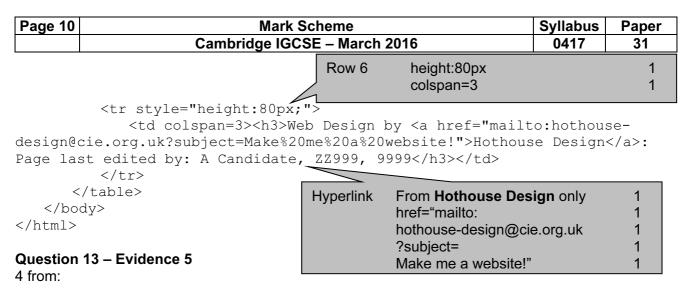
Page 7	Mark Scher	Syllabus	Paper		
	Cambridge IGCSE –	March 2016		0417	31
Question 1	I1 – Evidence 1	border-style	Trebuchet , "Trebuchet MS , sans-serif font-size:24pt {border:0} ,td and h1,h2,h3 ment added with	for efficient	1
	m16ss.css - Notepad	Conecticon		i / ionnat /	
<u>F</u> ile <u>E</u> dit	F <u>o</u> rmat <u>V</u> iew <u>H</u> elp				
body	{background-image:url('m16bg.jp background-color:#7c7d76}	g');	^		
h1	{font-weight:bold; font-size:42px; text-align: center}				
h2	{font-size:30px; text-align:center; text-wrap:normal; word-wrap:break-word;}				
h3	{font-size:24pt}				
h1,h2,h3	{font-family:Trebuchet,"Trebuch	et MS", sans-	serif}		
table,td	{border:0}				
/* A Cano	didate, 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

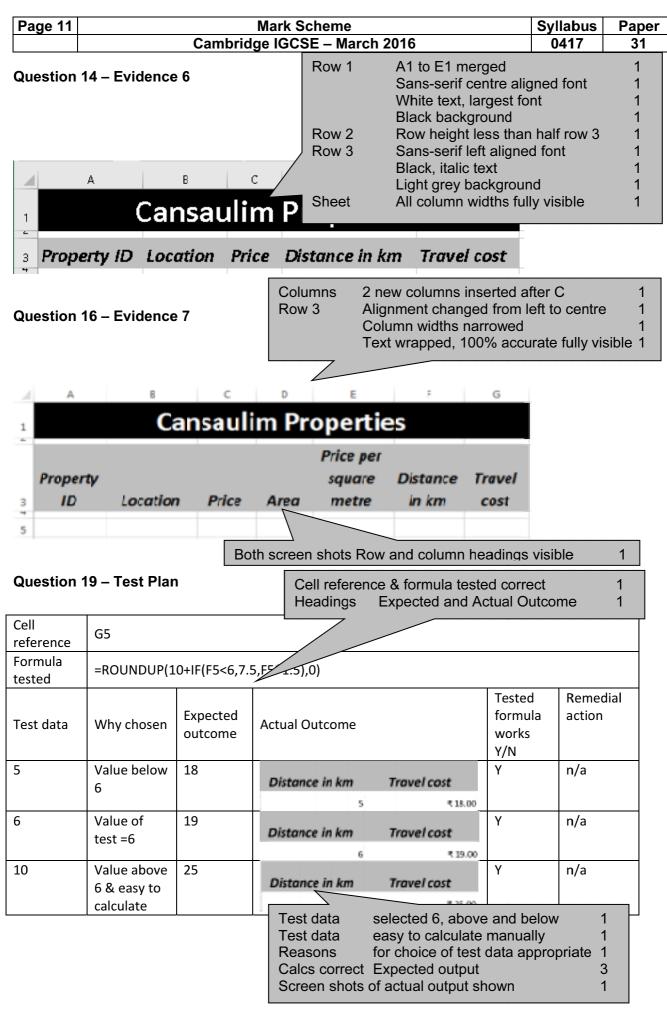


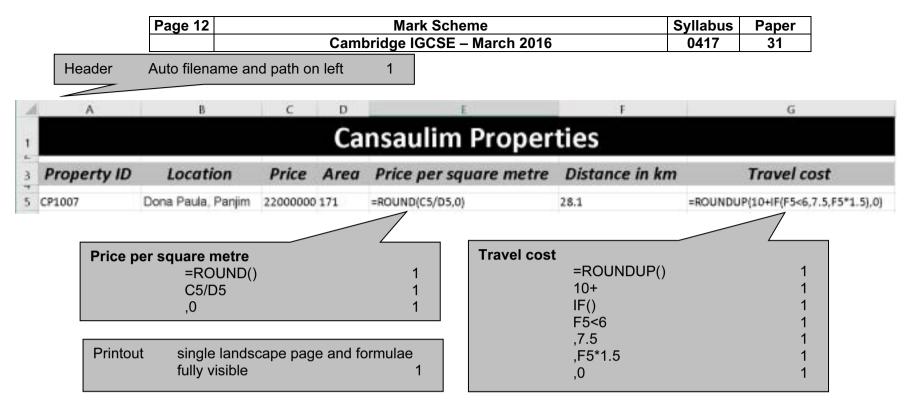




Bright colours within the page attract attention Magenta mask on background image makes reading text difficult Text under image/Alt text identifies the image Colour schemes do not look like professional company site Logo does not blend with background/has poor contrast between background and text Image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

Max 4 marks





Cansaulim Properties

Property ID	Location	Price	Area	Price per square metre	Distance in km	Travel cost
CP1007	Dona Paula, Panjim	₹22,000,000.00	171	₹128,655.00	28.1	₹53.00
Format Printout	Columns C,E, single page ar		es to 2d	p 1 1		