

Cambridge Assessment International Education

Cambridge International General Certificate of Secondary Education

INFORMATION AND COMMUNICATION TECHNOLOGY

0417/03

Paper 3 Practical Test B

October/November 2017

MARK SCHEME
Maximum 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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Cambridge IGCSE – Mark Scheme **PUBLISHED**

oter	Nar Las	st edited on at centre aligned omated date & time	1 mark 1 mark 1 mark		Destination	Correct relative reference – A4 1 r External file 173location.csv 1 r Correct range \$A\$2:\$B\$214 1 r Correct return column - 2 1 r	mark mark mark mark mark mark
	A	8	C D	E			
1			Cruise Pas	sseng		2015 & 2014	
			Craise ra.	2			
2				/ /		2014	
3	Dcode	Destination	Months	for this	Average visitors/month	N. S. L. W. S. B. S. S. L. S.	
4	Ant	=VLOOKUP(A4, '173 location.csv' !\$A\$2:\$B\$214,2,FALSE)	Jan-Mar 3		=INT(E4/D4)		
5	Aru	=VLOOKUP(A5, '173 location.csv' (\$A\$2:\$8\$214,2,FALSE)	Jan-Mar 3		=INT(E5/D5)		
	F4	E4 /D4 INT() or ROUNDDOWN(,0)	1 mark 1 mark 1 mark	146520 18718 447250	=INT(E7/D7) =INT(E8/D8) =INT(E9/D9)	161811 = E7 25433 = E 426406 = E	
11	Cay	=VLOOKUP(A10, 1750cation.csv':\$A\$2:\$B\$214,2,7ALSE) =VLOOKUP(A11, '173location.csv'!\$A\$2:\$B\$214,2,FALSE)	Jan-Apr 4		=INT(E10/D10) =INT(E11/D11		
_	Coz	=VLOOKUP(A12,'173location.csv'I\$A\$2:\$B\$214,2,FALSE)	Jan-Apr 4		=INT(E12/D12	70 change Correct cens identified – E4 and G4 1 m	
13	Cur	=VLOOKUP(A13, '173location.csv'!\$A\$2:\$8\$214,2,FALSE)	Jan-Apr 4		=INT(E13/D13		ark
-	Dom	=VLOOKUP(A14, '173location.csv'15A52:5B5214,2,FALSE)	Jan-Mar 3		=INT(E14/D14	101	ark
15	Dre	=VLOOKUP(A15, 173 location.csv ISAS2:SBS214,2,FALSE)	Jan-Apr 4	238811	=INT(E15/D15)	15) (259079 =(E15-G15)/G15	
16	Grn	=VLOOKUP(A16, 173location.csv1\$A\$2:\$B\$214,2,FALSE)	Jan-Mar 3	133072	=INT(E16/D16)	16) 125461 =(E16-G16)/G16	
17	Jam	=VLOOKUP(A17, 173 location.csv 1\$A\$2:\$B\$214,2,FALSE)	Jan-Apr 4	654407	=INT(E17/D17)	17) 588691 =(E17-G17)/G17	
18	Mrq	=VLOOKUP(A18, '173location.csv'l\$A\$2:\$B\$214,2,FALSE)	Jan-Apr 4	167610	=INT(E18/D18)	18) 114285 =(E18-G18)/G18	
19	Pue	=VLOOKUP[A19, 173location.csv1\$A\$2:\$8\$214,2,FALSE]	Jan-Mar 3	526428	-INT(E19/D19)	19) 417011 =(E19-G19)/G19	
20	Slu	=VLOOKUP(A20, '173 location.csv' !\$A\$2:\$B\$214,2,FALSE)	Jan-Apr 4	351717	=INT(E20/D20)	20) 322973 =(E20-G20)/G20	
_	StV	=VLOOKUP(A21, '173location.csv'!\$A\$2:\$B\$214,2,FALSE)	Jan-Apr 4	52219	=INT(E21/D21	Printout Landscape, fully visible 1 mark	
22	UVI	=VLOOKUP(A22,'173location.csv'l\$A\$2:\$B\$214,2,FALSE)	Jan-Apr 4	842988	=INT(E22/D22)	Row & Column headings displayed 1 mark Replication All 3 formulae 1 mark	ς

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Top row Merge cells A1 to H1 1 mark
Right aligned with a red, 20 point,
sans-serif font 1 mark
Pale blue background 1 mark

Cruise ship analysis

A Candidate ZZ999 9999

Cruise Passenger Arrivals - 2015 & 2014

				for this	Av e	2014 Visitors for this		
Dcode		Period	Months	period		period	% change	
Ant	Antigua and Barbuda	Jan-Mar	3		P	270,262	18.6%	
Aru	Aruba	Jan-Mar	3		<u>B</u>	258,408	-16.8%	
Bah	Bahamas	Jan-Mar	Row 2	Centr	e G2 & r	nerge & c	entre E2 to	F2 1 mark
Bar	Barbados	Jan-Feb		Black	16pt sai	ns-serif fo	nt	1 mark
Blz	Belize	Jan-Apr						
Ber	Bermuda	Jan-Apr	4	18,718	4,679	25,433	-26.4%	
Bri	British Virgin Islands	Jan-Mar	3	211,543	70,514	243,453	-13.1%	
Cay	Cayman Islands	Jan-Apr	4	719,298	179,824	677,663	6.1%	
Coz	Cozumel (Mexico)	Jan-Apr	4	1,455,974	363,993	1,357,701	7.2%	
Cur	Curacao	Jan-Apr	4	264,521	66,130	295,373	-10.4%	
Dom	Dominica	Jan-Mar	3	148,635	49,545	165,222	-10.0%	
Dre	Dominican Republic	Jan-Apr	4	238,811	59,702	259,079	-7.8%	
Grn	Grenada	Jan-Mar	3	133,072	44,357	125,461	6.1%	
Jam	Jamaica	Jan-Apr	4	654,407	163,601	588,691	11.2%	
Mrq	Martinique	Jan-Apr	4	167,610	41,902	114,285	46.7%	
Pue	Puerto Rico	Jan-Mar	3	526,428	175,476	417,011	26.2%	
Slu	Saint Lucia	Jan-Apr	4	351,717	87,929	322,973	8.9%	
StV	St. Vincent & the Grenadines	Jan-Apr	4	52,219	13,054	54,853	-4.8%	
UVI	U S Virgin Islands	Jan-Apr	4	842.988	210.747	880.318	-4.2%	

Formatting	Average visitors/ month as integer	1 mark
	% change column as % with 0,1 or 2 dp	1 mark
Row 3	Enhanced in some way (column heads)	1 mark
Printout	Single portrait page, fully visible, no row or	
	column headings	1 mark

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Cruise ship analysis A Candidate 22999 9999

				20	15	2014	
Drode	Destinatio	n Period	Months	Visitors for this period	Average visitors/ month	Visitors for this period	% change
Ant	Antigua and Barbud	ia Jan-Mar	3	320,401	106,800	270,262	18.6%
Aru .	Aruba	Jan-Mar	3	214,991	71,663	258,408	-16.8%
Bah	Bahamas	Jan-Mar	3	1,358,623	452,874	1,377,043	-1.3%
Bar	Barbados	Jan-Mar	3	216,561	72,187	161,811	33.8%
Blz	Belize	Jan-Apr	4	447,250	111,812	426,406	4.9%
Ber	Bermuda	Jan-Apr	4	18,718	4,679	25,433	-26.4%
Bri	British Virgin Island:	s Jan-Apr	4	280,000	70,000	243,453	15.0%
Cay	Cayman Islands	Jan-Apr	4	719,298	179,824	677,663	6.1%
Coz	Cozumel [Mexico]	Jan-Apr	4	1,455,974	363,993	1,357,701	7.2%
Cur	Curação	Jan-Apr	4	264,521	66,130	295,373	-10.4%
Dom	Dominica	Jan-Mar	3	148,635	49,545	165,222	-10.0%
Dre	Dominican Republic	Jan-Apr	4	238,811	59,702	259,079	-7.8%
Grn	Grenada	Jan-Mar	3	133,072	44,357	125,461	6.1%
lam	Jamaica	Jan-Apr	4	654,407	163,601	588,691	11.2%
Mrq	Martinique	Jan-Apr	4	167,610	41,902	114,285	46.7%
Pue	Puerto Rico	Jan-Mar	1 3	526,428	175,476	417,011	26.2%
Slu	Saint Lucia		4	351,717	87,929	322,973	8.9%
StV	St. Vincent & the Gr		4	52,219	13,054	54,853	-4.8%
UVI	U.S Virgin Isl	<u>/-</u>	4	842,988	210,747	880,318	4.2%
Period Barbados Jan-Mar & BVI Jan-Apr Months Barbados 3 & BVI 4							

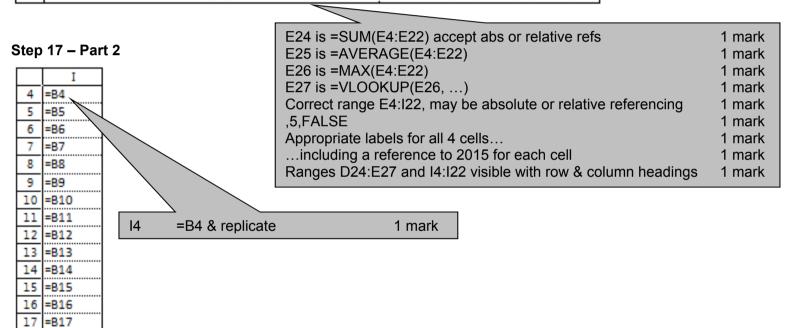
Last edited on 17/10/2017 at 09:46

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Step 17 - Part I

18 =B18 19 =B19 20 =B20 21 =B21 22 =B22

	D	E
24	Total visitors to all destinations in 2015	=SUM (E4:E22)
25	Average visitors to each destination in 2015	=AVERAGE(E4:E22)
26	Visitors to the most popular destination in 2015	=M AX(E4:E22)
27	Name of the most popular destination in 2015	=VLOOKUP(E26,E4:122,5,FALSE)



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Step 18

Cruise ship analysis A Candidate 22999 9999

Cruise Passenger Arrivals - 2015 & 2014

				20	15	2014	
				Visitors for this	Average visitors/	for this	
Doode	Destination	Period	Months	period	month	period	% change
Ant	Antigua and Barbuda	Jan-Mar	3	320,401	106,800	270,262	18.0% Antigua and Barbuda
Aru	Aruba	Jan-Mar	3	214,991	71,003	258,408	-16.8% Aruba
Bah	Bahamas	Jan-Mar	3	1,358,623	452,874	1,377,043	-1.3% Bahamas
Bar	Barbados	Jan-Mar	3	216,561	72,187	161,811	33.8% Barbados
8年	Belize	Jan-Apr	4	447,250	111,812	426,406	4.9% Belize
Ber	Bermuda	Jan-Apr	4	18,718	4,679	25,433	-26.4% Bermuda
Bri	British Virgin Islands	Jan-Apr	4	280,000	70,000	243,453	15.0% British Virgin Islands
Cay	Cayman islands	Jan-Apr	4	719,298	179,824	677,663	6.1% Cayman Islands
Coz	Cozumel (Mexico)	Jan-Apr	4	1,455,974	363,993	1,357,701	7.2% Cozumel (Mexico)
Cur	Curação	Jan-Apr	4	264,521	66,130	295,373	-10.4% Curação
Dom	Dominica	Jan-Mar	3	148,635	49,545	165,222	-10.0% Dominica
Dre.	Dominican Republic	Jan-Apr	4	238,811	59,702	259,079	-7.8% Dominican Republic
Grn	Grenada	Jan-Mar	3	133,072	44,357	125,461	6.1% Grenada
Jam	Jamaica	Jan-Apr	4	654,407	163,601	588,691	11.2% Jamaica
Mrq	Martinique	Jan-Apr	4	167,610	41,902	114,285	46.7% Martinique
Pue	Puerto Rico	Jan-Mar	3	526,428	175,476	417,011	26.2% Puerto Rico
Slu	Saint Lucia	Jan-Apr	4	351,717	87,929	322,973	8.9% Saint Lucia
StV.	St. Vincent & the Grenadines	Jan-Apr	4	52,219	13,054	54,853	4.8% St. Vincent & the Grenadines
UVI	U S Virgin Islands	Jan-Apr	4	842,988	210,747	880,318	-4.2% U.S Virgin Islands

Total visitors to all destinations in 2015 8,412,224

Average visitors to each destination in 2015 442,749

Visitors to the most popular destination in 2013 1,455,974

Name of the most popular destination in 2015 Cozumel (Mexico).

4 correct values 1 mark

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Cruise Passenger Arrivals - 2015 & 2014

				2015 Visitors for this	Average visitors/	2014 Visitors for this	
Dcode	Destination	Period	Months	period	month	period	% change
Bar	Barbados	Jan-Mar	3	216,561	72,187	161,811	33.8% Barbados
Pue	Puerto Rico	Jan-Mar	3	526,428	175,476	417,011	26.2% Puerto Rico
Ant	Antigua and Barbuda	Jan-Mar	3	320,401	106,800	270,262	18.6% Antigua and Barbuda
Grn	Grenada	Jan-Mar	3	133,072	44,357	125,461	6.1% Grenada
Bah	Bahamas	Jan-Mar	3	1,358,623	452,874	1,377,043	-1.3% Bahamas
Dom	Dominica	Jan-Mar	3	148,635	49,545	165,222	-10.0% Dominica
Aru	Aruba	Jan-Mar	3	214,991	71,663	258,408	-16.8% Aruba
	Total visitors t	o all destination	ns in 2015	8,412,224			
	Average visitors to	442,749					
	Visitors to the most po	1,455,974					
	Name of the most po	pular destination	on in 2015 (ozumel (Mexico)			

Step 19

Searc Sort	n Months = 3 Descending on percentage change	1 mark 1 mark

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Evidence document

Evidence 1

After a website has been created it will be tested. Identify two factors that must be considered when designing an effective test plan. 2 from:

The purpose of the website
The target audience
Corporate house styles
Describe each item that needs to be tested
Identify inputs (data to be entered)
Identify expected outcomes

1 mark each – Max 2

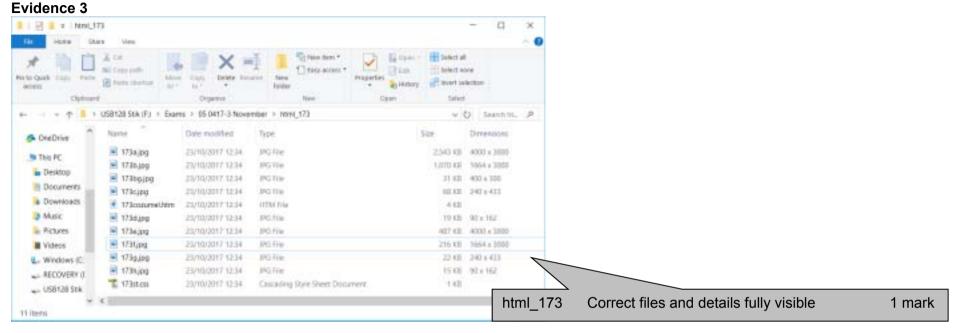
Evidence 2

Identify two methods of testing a web page: Functional testing / alpha testing / in-house

1 mark each – Max 2

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Evidence 4

4 from:

Placeholder dimensions are 250 pixels wide.

Placeholder is in portrait orientation.

Images A and E rejected as they have a landscape orientation

Image A is saved at maximum resolution which is not needed for a web page

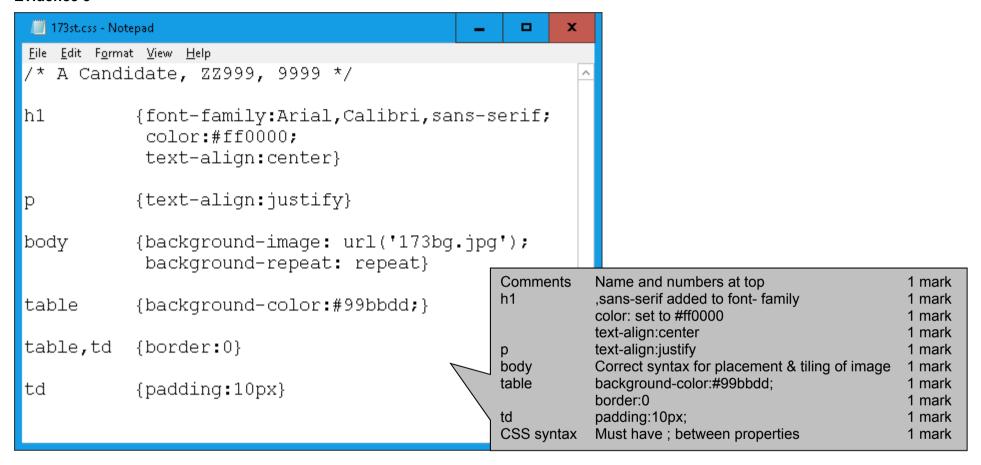
Images B and F are too large for the placeholder

Images D and H are too small for the placeholder

1 mark each - Max 4

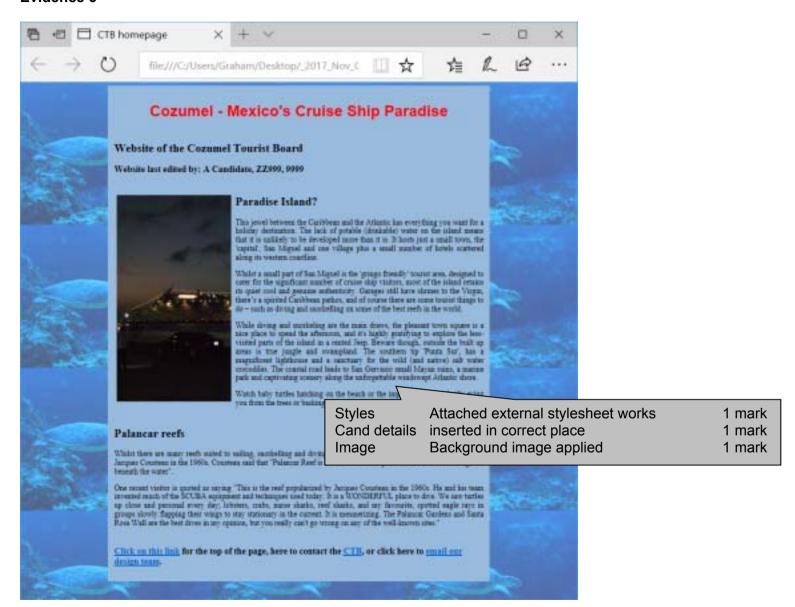
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Evidence 5



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Evidence 6



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1 mark

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```
Evidence 7
                        Title
                                CTB homepage
                                                              1 mark
<!DOCTYPE html>
                                html, head and body syntax correct
                                                              1 mark
<html>
                        Styles
                                Correct stylesheet in head section
                                                              1 mark
<head>
 <title>CTB homepage</title>
 <link rel="stylesheet" type="text/css" href="173st.css">
</head>
                                Tag containing appropriate tag id or name
                        ID set
                                                              1 mark
<body>
  <div id="top"></div>
  <h1>Cozumel - Mexico's Cruise Ship Paradise</h1>
    </t.d>
   <t.r>
    <h2>Website of the Cozumel Tourist Board</h2><h3>Website last edited
by:   A Candidate, ZZ999, 9999</h3>
    Space
                                 &nbsp:
                                                              1 mark
   </t.r>
   <h1><img src="173g.jpg" alt="Cruise ship"></h1>
    Image q selected
                        Image
                                                              1 mark
                        Appropriate alternate text added
```

<h2>Paradise Island?</h2>This jewel between the Caribbean and the Atlantic has everything you want for a holiday destination. The lack of potable (drinkable) water on the island means that it is unlikely to be developed more than it is. It hosts just a small town, the 'capital', San Miquel and one village plus a small number of hotels scattered along its western coastline. San Miquel is the 'gringo friendly' tourist area, designed to cater for the significant number of cruise ship visitors, most of the island retains its quiet cool and genuine authenticity. Garages still have shrines to the Virgin, there's a spirited Caribbean pathos, and of course there are some tourist things to do - such as diving and snorkelling on some of the best reefs in the world. snorkeling are the main draws, the pleasant town square is a nice place to spend the afternoon, and it's highly gratifying to explore the less-visited parts of the island in a rented Jeep. Beware though, outside

© UCLES 2017 Page 12 of 13 the built up areas is true jungle and swampland. The southern tip 'Punta Sur', has a magnificent lighthouse and a sanctuary for the wild (and native) salt water crocodiles. The coastal road leads to San Gervasio small Mayan ruins, a marine park and captivating scenery along the unforgettable windswept Atlantic shore.

Anchor from Click on this link 1 mark
To #anchor name/ID at top 1 mark

<h3>Click on this link for the top of the page, here to contact the

 from text CTB 1 mark

CTB, or click here to email our design team.</h3>

</body>
</html>

Anchor from email our design team
1 mark
href = "mailto: 1 mark
webdesign@hothouse-design.co.uk 1 mark
?subject= 1 mark
My%20question" 1 mark

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