



Cambridge Assessment International Education
Cambridge International General Certificate of Secondary Education

INFORMATION AND COMMUNICATION TECHNOLOGY

0417/32

Paper 3 Practical Test B

May/June 2018

MARK SCHEME

Maximum Mark: 80

Published

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.

Cambridge International will not enter into discussions about these mark schemes.

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This document consists of **11** printed pages.

Generic Marking Principles

These general marking principles must be applied by all examiners when marking candidate answers. They should be applied alongside the specific content of the mark scheme or generic level descriptors for a question. Each question paper and mark scheme will also comply with these marking principles.

GENERIC MARKING PRINCIPLE 1:

Marks must be awarded in line with:

- the specific content of the mark scheme or the generic level descriptors for the question
- the specific skills defined in the mark scheme or in the generic level descriptors for the question
- the standard of response required by a candidate as exemplified by the standardisation scripts.

GENERIC MARKING PRINCIPLE 2:

Marks awarded are always **whole marks** (not half marks, or other fractions).

GENERIC MARKING PRINCIPLE 3:

Marks must be awarded **positively**:

- marks are awarded for correct/valid answers, as defined in the mark scheme. However, credit is given for valid answers which go beyond the scope of the syllabus and mark scheme, referring to your Team Leader as appropriate
- marks are awarded when candidates clearly demonstrate what they know and can do
- marks are not deducted for errors
- marks are not deducted for omissions
- answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

GENERIC MARKING PRINCIPLE 4:

Rules must be applied consistently e.g. in situations where candidates have not followed instructions or in the application of generic level descriptors.

GENERIC MARKING PRINCIPLE 5:

Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

GENERIC MARKING PRINCIPLE 6:

Marks awarded are based solely on the requirements as defined in the mark scheme. Marks should not be awarded with grade thresholds or grade descriptors in mind.

0417/32

Cambridge IGCSE – Mark Scheme

May/June 2018

PUBLISHED**Evidence 1**

Browser view	In browser with no letters vis	1
Table	borders not visible	1
	Centre aligned in window	1
Top left	Cabin image not distorted	1
Top right	CCC logo resized (as shown)	1
Second row	Text 100% correct	1
	in h1	1
Third row	Text from file	1
	in h2	1
Last row	Website prepared for Hothouse	
	Design by: <cand details>	1
	in h3	1



Evidence 2

`<!DOCTYPE html>``<html>``<head>``<link rel="stylesheet" href="j1832ss.css">``<base target="_self">``</head>``<body>``<table border="0" style="margin-left:auto; margin-right:auto; width:900px">``<tr style="height:577px;">``<td rowspan=2 style="width:580px;">`

Head section		
Stylesheet j1832ss.css attached		1
Base target in head section...		1
...="_self"		1

Table	width:900	1
-------	-----------	---

Cell 1	rowspan=2	1
	width:580	1

`<a``href="mailto:CCC@cambridgeinternational.org?subject=Information%20request">````</td>`

Hyperlink	From j1832cabin.jpg	1
	href="mailto:	1
	CCC@cambridgeinternational.org	1
	?subject=	1
	Information request"	1
Cabin Image	resized to width 570	1

2nd cell	width:320 height:445	1
----------	----------------------	---

`<td style="width:320px; height:445px">``</td>``</tr>`

Alt attribute	appropriate alt text for both images	1
---------------	--------------------------------------	---

Row 2	height:132	1
-------	------------	---

`<tr style="height:132px;">``<td><h1>Colorado Cabin Company</h1>``</td>``</tr>`

Row 3	height:200	1
	colspan = 2	1

`<tr style="height:200px;">`

`<td colspan=2><h2>Colorado Cabin Company cabin rentals are a preferred choice of accommodation for overnight guests to the Rocky Mountains. Our cabins and chalets are ideal for honeymoons, anniversaries, family vacations, company retreats and class or family reunions.`

`Our Colorado Cabin Company cabins and chalets offer all the convenience and comfort of home. Each has a fully-equipped kitchen and spacious living area with a log burner set into the fireplace. The larger cabins can easily accommodate up to 18 people. All our cabins are located with spectacular mountain views.`

`Find great value deals, with savings on one or two bedroom cabins. These are perfect for couples, friends, families or groups. The cabins are`

conveniently located close to Grand Lake in the heart of the Rocky Mountains. We are close to several world renowned ski resorts. Click on the cabin image to contact us.</h2>

</tr>

Row 4	height:80 & Colspan=2	1
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<tr style="height:80px;">

<td colspan=2><h3>Website prepared for Hothouse Design by: A Candidate, ZZ999, 9999</h3>

</td>

</tr>

</table>

</body>

</html>

Hyperlink	From Hothouse Design only	1
	href="http://www.hothouse-design.co.uk"	1
	target="_new"	1

Evidence 3

- Browser searches (through available fonts) for the font Times (and if found it is displayed).
- If the font Times is not available, browser searches for "Times New Roman"
- If neither is available, browser uses its pre-defined/default generic serif font.
- Speech marks are around "Times New Roman" to define it as a single string/so it does not search for Times

(1 mark for each, Max 4)

0417732

Evidence 4

3 new rows inserted at top	1
Rows 1 and 2	
A1 to F1 and A2 to F2 merged	1
Centre aligned font	1
Sans-serif font	1
Black background	1
100% accurate text	1
Row 1	
Largest font	1
Row 2	
Smaller font than row 1, taller than 4	1
Row 3	
Row height less than half row 4	1

	A	B			
1	Colorado Cabin Company				
2	Genuine log cabins in the heart of the Rockies				
3					
4	Hire by day or week?	(d or w)			
5	The cabin code is				
6					
7	Number of days/weeks hired				
8					
9	You are hiring a	cabin at a	rate of		
10					
11	The total cost is				
12					

Column A in rows 4–11	
Sans-serif font right aligned	1
Sheet	
A1:F11 with column widths fully visible	1

0417/32

Evidence 5

Validation rule restricts either the letter d or w	1
Validation rule restricts to allow <u>only</u> d or w	1

Data Validation

Settings Input Message Error Alert

Validation criteria

Allow:
List

Data:
between

Source:
d,w

☐ Ignore blank

☒ In-cell dropdown

☐ Apply these changes to all other cells with the same settings

Clear All OK Cancel

Evidence 6

IF function used with () & correct syntax	1
Condition e.g. B4="d"	1
correct response e.g. "daily" in speech marks	1
default response e.g. "weekly"	1

D9

=IF(B4="d","daily","weekly")

Evidence 7**Evaluate:**

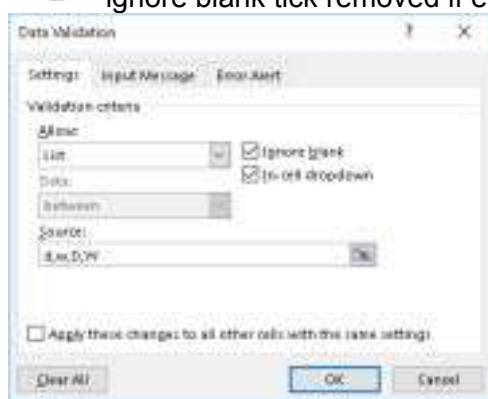
- I have used data validation to restrict the data entry
- Data entry is restricted to only the items entered in source list/range of cells
- My validation rule only caters for lower case letters/should allow upper case letters
- My validation rule should not allow a blank cell in B4 as it could cause an error

Suggestion

- List source in validation rule should be extended to include D and W
- Remove tick box for 'ignore blank' / prevent B4 containing no data

Improvement

- Improvement print screen, showing D and W added to accepted validation
- ignore blank tick removed if error mentioned above



or



To attain maximum 4 marks must have 1 mark from Evaluation, Suggestion & Improvement

25/05/2018

Header Automated date on left 1
Candidate details on the right 1

A Candidate, ZZ999, 9999

	A			E
1	Colorado Cabins			
2	Genuine log cabins in the			
3				
4	Hire by day or week? d		(d or w)	
5	The cabin code is b			
6				
7	Number of days/weeks hired 3			
8				
9	You are hiring a	=VLOOKUP(B5,j1832cost.csv!\$A\$2:\$B\$10,2,FALSE)	cabin at a	=IF(B4="d","daily","weekly") rate of
10				
11	The total cost is	=F9*B7		

Cell b9
VLOOKUP (...) 1
Reference to cell b5 1
Correct range j1832cost.csv!\$A\$2:\$B\$10 1
Correct return column 1
False parameter 1

Cell b11 =F9*B7 1

Landscape, row and column headings and all cell contents fully visible 1

Footer Automated file name with path on right 1

D:\C\0417\2018\2018_Jun_0417_32\j1832_ZZ999_9999.xlsx

25/05/2018

A Candidate, Z2999, 9999

	F
1	n Company
2	e heart of the Rockies
3	
4	
5	
6	
7	
8	
9	=IF(B4="d",VLOOKUP(B5,[1832cost.csv!\$A\$2:\$F\$10,5,FALSE],IF(B4="w",VLOOKUP(B5,[1832cost.csv!\$A\$2:\$F\$10,6,FALSE],""))
10	
11	

Cell f9

=IF() with correct syntax

Valid test for daily

VLOOKUP used

Correct cell reference B5

Correct external file & range

Return column 5

False parameter

VLOOKUP function to return 6th/5th column with FALSE

1

1

1

1

1

1

1

1

D:\C\0417\2018\2018_Jun_0417_32\1832_Z2999_9999.xlsx

	A	B	C	D	E	F
1	25/05/2018					
2	Colorado Cabin Company					
3	Genuine log cabins in the heart of the Rockies					
4	Hire by day or week?	w	(d or w)			
5	The cabin code is	g				
6						
7	Number of days/weeks hired	2				
8						
9	You are hiring a	Granby	cabin at a	weekly	rate of	\$484.00
10						
11	The total cost is	\$968.00				

B4 contains w and B5 contains g and B7 contains 2 with correct cost and rate 1
Cells F9 and B11 formatted to 2dp in dollars 1
Single page and fully visible 1

	A	B	C	D	E	F
1	25/05/2018					
2	Colorado Cabin Company					
3	Genuine log cabins in the heart of the Rockies					
4	Hire by day or week?	d	(d or w)			
5	The cabin code is	b				
6						
7	Number of days/weeks hired	3				
8						
9	You are hiring a	Breckenridge	cabin at a	daily	rate of	\$75.00
10						
11	The total cost is	\$225.00				

B4 contains d, B5 contains b and B7 contains 3 with correct cost and rate 1
Single page and fully visible 1