Cambridge IGCSE™

INFORMATION AND COMMUNICATION TECHNOLOGY	**0417/31**
Paper 3 Practical Test B	**May/June 2021**
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.

Cambridge International is publishing the mark schemes for the May/June 2021 series for most Cambridge IGCSE™, Cambridge International A and AS Level components and some Cambridge O Level components.

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.

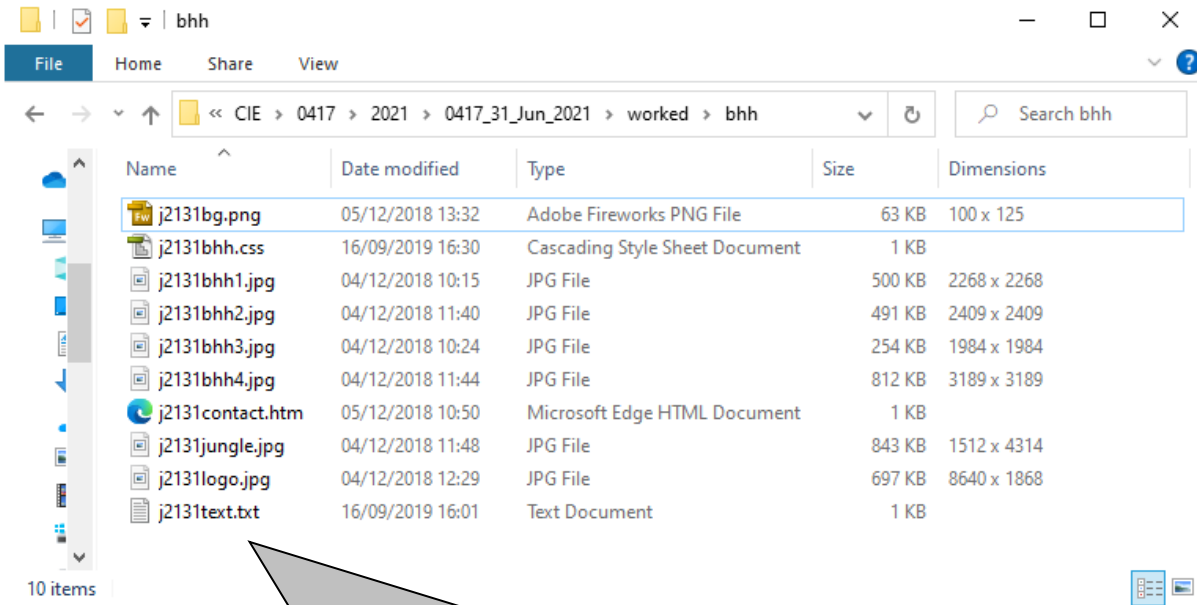| |
| --- |
| GENERIC MARKING PRINCIPLE 1:

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. |

Name	Date modified	Type	Size	Dimensions
j2131bg.png	05/12/2018 13:32	Adobe Fireworks PNG File	63 KB	100 x 125
j2131bhh.css	16/09/2019 16:30	Cascading Style Sheet Document	1 KB	
j2131bhh1.jpg	04/12/2018 10:15	JPG File	500 KB	2268 x 2268
j2131bhh2.jpg	04/12/2018 11:40	JPG File	491 KB	2409 x 2409
j2131bhh3.jpg	04/12/2018 10:24	JPG File	254 KB	1984 x 1984
j2131bhh4.jpg	04/12/2018 11:44	JPG File	812 KB	3189 x 3189
j2131contact.htm	05/12/2018 10:50	Microsoft Edge HTML Document	1 KB	
j2131jungle.jpg	04/12/2018 11:48	JPG File	843 KB	1512 x 4314
j2131logo.jpg	04/12/2018 12:29	JPG File	697 KB	8640 x 1868
j2131text.txt	16/09/2019 16:01	Text Document	1 KB	

10 items

Screen shot   folder name **bhh**, file names, dimensions, file extensions, file sizes   1 mark

```
j2131bhh.css - Notepad                                    —   □   ×
File  Edit  Format  View  Help

table          { border: 0px solid white;
                 border-collapse: separate;
                 border-spacing:20px;
                 min-width: 400px;
                 margin-left:auto;}

td             { border: 0px solid white;}

h2             { text-align:center;
                 color:white; }

h3             { text-align:center;
                 color:white; }

p              { color:white;
                 text-align: justify;
                 font-size: 12pt; }

body           { background-color: #212f36;
                 background-image: url('j2131bg.png');
                 background-repeat: no-repeat;
                 background-position: left top;}

h1,h2,h3,p     { font-family: "San Francisco", Calibri, sans-serif;}


/* A Candidate ZZ999 9999 */
```

table	margin-left:auto;	1 mark
body	background-color: #212f36;	1 mark
	background-image: url('j2131bg.png');	1 mark
	background-repeat: no-repeat;	1 mark
	background-position: left top;	1 mark
h1,h2,h3,p	font-family: **San Francisco**	1 mark
	"San Francisco" in speech marks	1 mark
	,**Calibri**	1 mark
	,sans-serif	1 mark
	All using single selector	1 mark
p	text-align:justify;	1 mark
	font-size: 12pt	1 mark
	Correct css syntax	1 mark
/*	Candidate details at bottom */	1 mark

In browser, address visible, no letters visible	1 mark
No external table border visible	1 mark
j2131logo.jpg visible	1 mark
4 correct images placed in row 2	1 mark
Jungle image placed in right column	1 mark
Aspect ratio of all images maintained	1 mark
**Compact	Larger |**	1 mark
**Secluded	With a view |**	1 mark
In h2	1 mark
Text placed from source file	1 mark
In style p	1 mark
Last edited by: A Candidate ZZ999 9999 **Contact BHH**	1 mark
Line breaks in correct place	1 mark
in h3	1 mark

```
<!DOCTYPE html>
<html>
 <head>
  <link rel="stylesheet" type="text/css" href="j2131bhh.css">
  <Title>Bali Holiday Homes Homepage</title>
  <base target="_self">
 </head>
```

Stylesheet	j2131bhh.css attached	1 mark
Title	**Bali Holiday Homes Homepage**	1 mark
Target	Base target="_self"	1 mark

Table	width=80%	1 mark
Row 1	height=20%	1 mark
	colspan=5	1 mark

```
<body>
   <table style="width:80%;">

    <tr>
     <td colspan="5" style="height:20%;">
       <img src="j2131logo.jpg" alt="Company logo for Bali Holiday Homes"
style="width:100%" />
     </td>
    </tr>
    <tr>
     <td style="width:20%; height:20%;">
       <img src="j2131bhh1.jpg" alt="Image of small house"
style="width:100%" />
     </td>
     <td style="width:20%">
       <img src="j2131bhh2.jpg" alt="Image of larger house"
style="width:100%" />
     </td>
     <td style="width:20%">
       <img src="j2131bhh3.jpg" alt="Image of a secluded house"
style="width:100%" />
     </td>
      <td style="width:20%">
       <img src="j2131bhh4.jpg" alt="Image of room with a view"
style="width:100%" />
     </td>
```

Row 2	height:20%	1 mark

Row 2	rowspan=3 in last cell	1 mark
Rows 2/3	width:20% for all cells	1 mark

```
     <td style="width:20%" rowspan=3>
       <img src="j2131jungle.jpg" alt="Image of Balinese jungle"
style="width:100%" />
     </td>
    </tr>
```

Images	width of all images 100%	1 mark
	Using inline style attributes	1 mark
	Appropriate alt text for all 6 images	1 mark

```
    <tr>
     <td style="height:20%;">
       <h2>Compact</h2>
```

```
          </td>
          <td>
            <h2>Larger</h2>
          </td>
          <td>
            <h2>Secluded</h2>
          </td>
          <td>
            <h2>With a view</h2>
          </td>
        </tr>
```

| Row 4 | height:40% | 1 mark |
| | colspan=3 in first cell | 1 mark |

```
        <tr style="height:40%;">
         <td colspan="3">
            <p>At Bali Holiday Homes, we specialise in finding the right holiday
properties for you. Bali suits multi-stay holidays as there is so much
diversity in different parts of the island. Tailor your holiday to visit
the bustling resorts in Seminyak, or small homes with swim up pools
surrounded by jungle in Ubud. Venture further north to Lavina Beach and
watch wild dolphins, or try our lakeside huts in Batur, surrounded by the
volcanic Mount Agung and Mount Batur. Wherever you want to go, we have the
place for you.
            </p>
          </td>
          <td>
            <h3>Last edited by:</h3><h3>A Candidate ZZ999 9999</h3>
            <a href="j2131contact.htm" target="_blank">
             <h3>Contact BHH</h3>
            </a>
          </td>
        </tr>
      </table>
  </body>
</html>
```

Hyperlink	anchor around Contact BHH only	1 mark
	href="j2131contact.htm"	1 mark
	target="_blank"	1 mark

List prepared by: A Candidate ZZ999 9999 on 06/11/2020

		Header	**List prepared by**: space Name & numbers	1 mark
			…space **on** space automated date	1 mark
			Left aligned	1 mark

	A	B
1		**Bali Holiday Homes**
2		
3		List of suitable properties for your chosen location
4	Location:	Ubud
5	Room type:	Q
6		
7	Number of persons	=VLOOKUP(B5,'D:\CIE\0417\2021\0417_31_Jun_2021\SF\[j2131rate.csv]j2131rate'!$A$2:$B$27,2,FALSE)
8	Breakfast provided	=VLOOKUP(B5,'D:\CIE\0417\2021\0417_31_Jun_2021\SF\[j2131rate.csv]j2131rate'!$A$2:$D$27,4,FALSE)
9		
10	1	=IF(HLOOKUP($B$4,j2131...
11	2	=IF(HLOOKUP($B$4,...
12	3	=IF(HLOOKUP($B$4,j21...
13	4	=IF(HLOOKUP($B$4,j2131...
14	5	=IF(HLOOKUP($B$4,j2131...
15	6	=IF(HLOOKUP($B$4,j2131...

B7	=VLOOKUP(…)	1 mark
	B5 or $B$5	1 mark
	,j2131rate.csv!$A$2:$B$27 or D27	1 mark
	,2	1 mark
	,FALSE	1 mark
B8	=VLOOKUP(B5,j2131rate.csv!$A$2:$D$27,4,0)	1 mark

List prepared by: A Candidate ZZ999 9999 on 06/11/2020

	A	B
1		**Bali Holiday Homes**
2		
3		List of suitable properties for your chosen location
4	Location:	Ubud
5	Room type:	Q
6		
7	Number of persons	=VLOOKUP(B5,'D:\CIE\0417\2021\0417_31_Jun_2021\SF\[j2131rate.csv]j2131rate'!$A$2:$B$27,2,FALSE)
8	Breakfast provided	=VLOOKUP(B5,'D:\CIE\0417\2021\0417_31_Jun_2021\SF\[j2131rate.csv]j2131rate'!$A$2:$D$27,4,FALSE)
9		
10	1	=IF(HLOOKUP($B$4,j2131home.csv!$B$2:$H$8,A10+1,FALSE)=0,"",HLOOKUP($B$4,j2131home.csv!$B$2:$H$8,A10+1,FALSE))
11	2	=IF(HLOOKUP($B$4,j2131home.csv!$B$2:$H$8,A11+1,FALSE)=0,"",HLOOKUP($B$4,j2131home.csv!$B$2:$H$8,A11+1,FALSE))
12	3	=IF(HLOOKUP($B$4,j2131home.csv!$B$2:$H$8,A12+1,FALSE)=0,"",HLOOKUP($B$4,j2131home.csv!$B$2:$H$8,A12+1,FALSE))
13	4	=IF(HLOOKUP($B$4,j2131home.csv!$B$2:H
14	5	=IF(HLOOKUP($B$4,j2131home.csv!$B$2:H
15	6	=IF(HLOOKUP($B$4,j2131home.csv!$B$2:H

B10 core	HLOOKUP(…)	1 mark
	B4	1 mark
	…absolute reference	1 mark
	,j2131home.csv!$B$2:$H$8	1 mark
	,A10+1	1 mark
	,FALSE or ,0	1 mark
B10 blank	IF (…)	1 mark
	…Test copy of core function	1 mark
	…Test for 0 / error	1 mark
	…Place blank cell	1 mark
Replication	All 6 formulae	1 mark
	Row and column headings displayed	1 mark
	Landscape & fully visible	1 mark

List prepared by: A Candidate ZZ999 9999 on 06/11/2020

Bali Holiday Homes

List of suitable properties for your chosen location	
Location:	Ubud
Room type:	Q
Number of persons	3
Breakfast provided	Yes
1	Taman Villas
2	Samara Villas
3	Adiwanna Arya Villa
4	Alaya Resort
5	Adiwanna Resort
6	

Rows 1 & 3	Cells A1:B1 and A3:B3 merged	1 mark
Row 1	28 point	1 mark
	White sans-serif font	1 mark
	Black background	1 mark
Row 2	Half height of row 3	1 mark
Row 3	Bold	1 mark
Alignment	All centre aligned	1 mark
Values	Single portrait page no row and column headings, fully visible	1 mark

List prepared by: A Candidate ZZ999 9999 on 06/11/2020

Bali Holiday Homes

List of suitable properties for your chosen location	
Location:	Nusa Lembongan
Room type:	G
Number of persons	2
Breakfast provided	Yes
1	Sunset Garden
2	Sunset Villas
3	Sunset View
4	Sunset Vista
5	Ombak Bay
6	

Modelling	Room type set to **G**	1 mark
	Location **Nusa Lembongan**	1 mark
	2 people & Yes for breakfast	1 mark
	Only 5 correct results with blank cell	1 mark