![Cambridge Assessment International Education logo]

Cambridge IGCSE™ (9–1)

INFORMATION AND COMMUNICATION TECHNOLOGY **0983/31**

Paper 3 Practical Test B **May/June 2020**

MARK SCHEME

Maximum Mark: 80

Published

Students did not sit exam papers in the June 2020 series due to the Covid-19 global pandemic.

This mark scheme is published to support teachers and students and should be read together with the question paper. It shows the requirements of the exam. The answer column of the mark scheme shows the proposed basis on which Examiners would award marks for this exam. Where appropriate, this column also provides the most likely acceptable alternative responses expected from students. Examiners usually review the mark scheme after they have seen student responses and update the mark scheme if appropriate. In the June series, Examiners were unable to consider the acceptability of alternative responses, as there were no student responses to consider.

Mark schemes should usually be read together with the Principal Examiner Report for Teachers. However, because students did not sit exam papers, there is no Principal Examiner Report for Teachers for the June 2020 series.

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

Cambridge International is publishing the mark schemes for the June 2020 series for most Cambridge IGCSE™ and Cambridge International A & AS Level components, and some Cambridge O Level components.

This document consists of **8** 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:

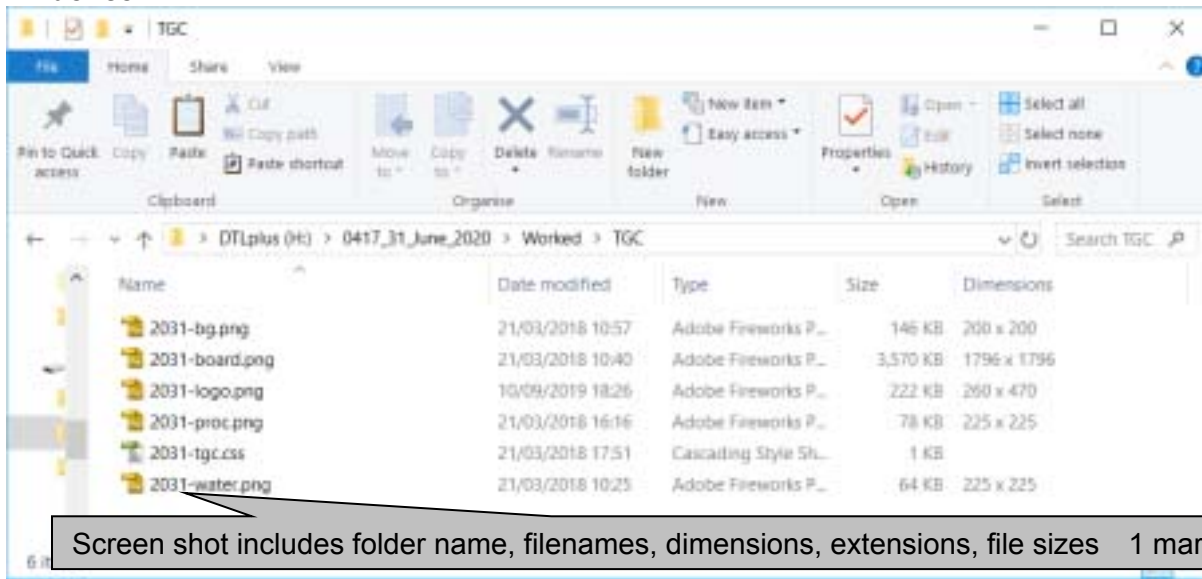Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

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.

Evidence 1

Name	Date modified	Type	Size	Dimensions
2031-bg.png	21/03/2018 10:57	Adobe Fireworks P...	146 KB	200 x 200
2031-board.png	21/03/2018 10:40	Adobe Fireworks P...	3,570 KB	1796 x 1796
2031-logo.png	10/09/2019 18:26	Adobe Fireworks P...	222 KB	260 x 470
2031-proc.png	21/03/2018 16:16	Adobe Fireworks P...	78 KB	225 x 225
2031-tgc.css	21/03/2018 17:51	Cascading Style Sh...	1 KB	
2031-water.png	21/03/2018 10:25	Adobe Fireworks P...	64 KB	225 x 225

Screen shot includes folder name, filenames, dimensions, extensions, file sizes   1 mark

Evidence 2

```
2031-tgc.css - Notepad                                          —    □    ✕
File  Edit  Format  View  Help
table           {vertical-align: middle;
                 text-align: center;
                 border-collapse:separate;
                 border-width:0px;
                 border-spacing:20px;
                 background-color:#000000;
                 margin-left:auto; margin-right:auto;}
td              {padding:0px}
body            {background-image: url("2031-bg.png");
                 background-repeat:repeat;}
h1,h2,h3        {color:#00ff00;
                 font-family:"Segoe print",Verdana,sans-serif;}
h1              {font-size:36pt;}
h2              {font-size:14pt;
                 text-align:left}
h3              {font-size:12pt;
                 text-align:right}
/* A Candidate ZZ999 9999 */
```

table	border-collapse:separate;	1 mark
	border-width:0px;	1 mark
	border-spacing:20px;	1 mark
	background-color:#000000;	1 mark
	margin-left:auto; margin-right:auto;	1 mark
td	padding:0px	1 mark
body	background-image: url("2031-bg.png");	1 mark
	background-repeat:repeat;	1 mark
h1,h2,h3	color:#00ff00;	1 mark
	font-family:"Segoe print"	1 mark
	In speech marks	1 mark
	,Verdana	1 mark
	,sans-serif	1 mark
	Single statement for all 3 styles	1 mark
h1	font-size:36pt;	1 mark
	text-align retained as center	1 mark
h2	font-size:14pt;	1 mark
	text-align:left	1 mark
h3	font-size:12pt;	1 mark
	text-align:right	1 mark
comment	Comment added with /* name */	1 mark
CSS syntax	Correct css syntax	1 mark

Evidence 3

In browser	with no letters vis	1 mark
Background	Image visible tiled x and y with black table	1 mark
Table	Borders/gridlines hidden	1 mark
Top row	Tawara Gaming Computers	1 mark
	In h1	1 mark
Row 2 left	2031-logo.png	1 mark
Middle col	3 still images as shown	1 mark
Right column	Text as shown	1 mark
	in h2	1 mark
Bottom left	Last edited by: <New line> and cand details	1 mark
	in h3	1 mark
Cell spacing	20 points visible between the cells	1 mark

Evidence 4

```
<!DOCTYPE html>
<html>
 <head>
  <link rel="stylesheet" type="text/css" href="2031-tgc.css">
 </head>
 <body>
   <table>
```

Stylesheet	2031-tgc.css attached in head section	1 mark

Table	Width=750	1 mark
	Visible here or in first td	

Top row	height=100	1 mark
	colspan=3	1 mark

```
    <tr>
     <td colspan=3 style="width:750px; height:100px;">
       <h1>Tawara Gaming Computers</h1>
     </td>
    </tr>
```

Row 2 left	rowspan=2	1 mark
	style="width:260px; height:470px"	1 mark

```
    <tr>
     <td rowspan=2 style="width:260px; height:470px;">
       <img src="2031-logo.png" alt="Company logo for Tawara Gaming
Computers">
     </td>
```

Rows 2–3	middle and right style="height:225px"	1 mark
Rows 2–4	middle cells style="width:225px"	1 mark
	right cells style="width:225px"	1 mark

```
     <td style="width:225px; height:225px;">
       <img src="2031-proc.png" alt="Image of a processor chip">
     </td>
     <td style="width:225px; height:225px;">
       <h2>Processors</h2>
     </td>
    </tr>
```

Row 3 middle		
Image 2031-board.png width=225		1 mark
Aspect ratio maintained		1 mark

```
    <tr>
     <td style="width:225px; height:225px;">
       <img src="2031-board.png" alt="Image of a motherboard"
style="width:225px">
     </td>
     <td style="width:225px; height:225px;">
       <h2>Motherboards</h2>
     </td>
    </tr>
```

Row 4 left	style="width:260; height:225"	1 mark
Alt attribute	appropriate alt text for all 4 images	1 mark

```
    <tr>
     <td style="width:260px; height:225px;">
       <h3>Last edited by: </h3>
       <h3>A Candidate ZZ999 9999</h3>
     </td>
     <td style="width:225px; height:225px;">
       <img src="2031-water.png" alt="Image of a water cooling systems">
     </td>
     <td style="width:225px; height:225px;">
       <h2>Water cooling systems</h2>
     </td>
    </tr>
   </table>
 </body>
</html>
```

A Candidate ZZ999 9999

B11	=VLOOKUP (C11 …)	1 mark
	External file 2031-proc.csv,	1 mark
	A2:B44 or A2:G44	1 mark
	Correct return column ,2	1 mark
	,0 or ,False	1 mark

		C	D
1	**wara Gaming Computers**		
2			
3	Special offer - twin purchase		
5	**Invoice**		
6			
7	Invoice number:		
8	Customer:		
9			
10	Make	Model	Price
11	Processor: =VLOOKUP(C11,'2031-proc.csv'!$A$2:$B$44,2,0)	i7-5930K	=VLOOKUP(C11,'2031-proc.csv'!$A$2:$G$44,7,0)
12	Motherboard: =VLOOKUP(C12,'2031-board.csv'!$A$2:$B$121,2,0)	Prime Z270-P	=VLOOKUP(C12,'2031-board.csv'!$A$2:$H$121,8,0)
14		Subtotal:	=D11+D12
15		Discount:	=D14*0.2
16		Invoice total:	=D14-D15
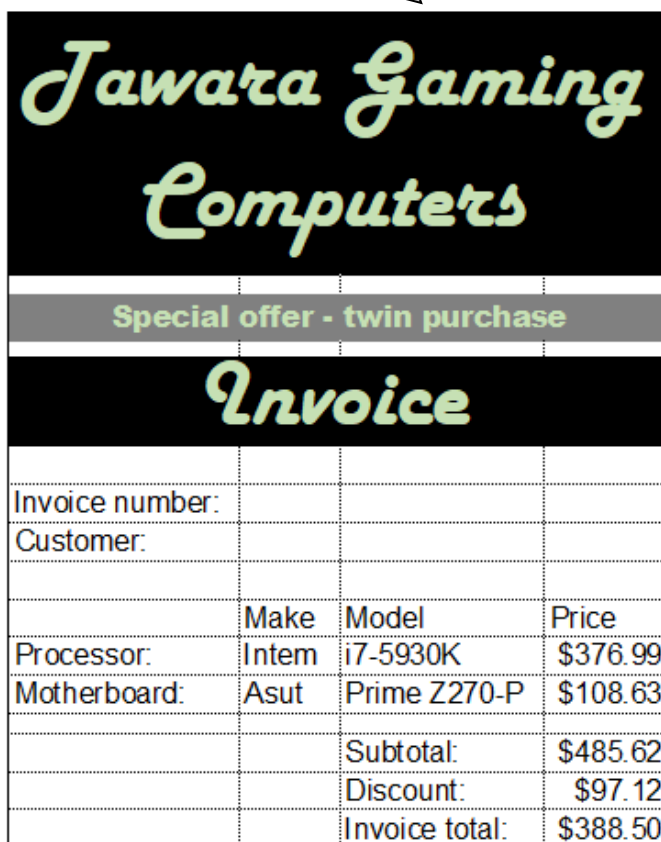
B12	=VLOOKUP (C12 …)	1 mark
	'2031-board.csv'!A2:B121	1 mark
	,2,0	1 mark

D11	=VLOOKUP(C11,'2031-proc.csv'!A2:G44,7,0)	1 mark
D12	=VLOOKUP(C12,'2031-board.csv'!A2:H121,8,0)	1 mark
D14	=D11+D12 or =SUM(D11:D12)	1 mark
D15	=D14*0.2 or =D14*20%	1 mark
D16	=D14-D15 or =D14*0.8	1 mark
	Row and column headings displayed	1 mark
	Landscape and fully visible	1 mark

Last edited on 10/09/2019

Header	Name and numbers on right	1 mark
Footer	Last edited on and date in centre	1 mark
Rows 1,3,5	Columns A to D merged	1 mark
	Green font with good contrast	1 mark
Rows 1, 5	Black background	1 mark
	Scripting font	1 mark
	Centre aligned horizontally and vertically	1 mark
	Text wrapped	1 mark
Row 3	Grey background	1 mark
Rows 2, 4, 13	½ height of rows 7–16	1 mark
Rows 3, 7-16	Sans serif font	1 mark
Rows 7-12	Left aligned	1 mark
Rows 14-16	Right aligned	1 mark
All text	100% accuracy	1 mark

A Candidate ZZ999 9999

Jawara Gaming Computers

Special offer - twin purchase

Invoice

Invoice number:			
Customer:			
	Make	Model	Price
Processor:	Intem	i7-5930K	$376.99
Motherboard:	Asut	Prime Z270-P	$108.63
		Subtotal:	$485.62
		Discount:	$97.12
		Invoice total:	$388.50

Data entry	i7-5930K and Prime Z270-P	1 mark
Numbers	Formatted as currency in $ with 2dp	1 mark
Extract	Single portrait page with no row and col heads	1 mark

Last edited on 10/09/2019