

# Cambridge IGCSE™

# INFORMATION AND COMMUNICATION TECHNOLOGY Paper 3 Spreadsheets and Website Authoring May/June 2024 MARK SCHEME Maximum Mark: 70

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.

**Published** 

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 2024 series for most Cambridge IGCSE, Cambridge International A and AS Level and Cambridge Pre-U components, and some Cambridge O Level components.

# Cambridge IGCSE – Mark Scheme PUBLISHED

### **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 descriptions 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.

## Task 2 – Spreadsheet

Question	Answer	Marks		
For <b>Quest</b> i	on 1 see below for example of spreadsheet.			
1		2		
	Name, centre and candidate number left aligned in footer	1		
	File name with no file path on the right in the footer	1		
For <b>Quest</b> i	ion 2 see below for example of spreadsheet formulae.	<u>'</u>		
2		7		
	=VLOOKUP ( )	1		
	B35,	1		
	j2431divers.csv!	1		
	\$A\$2:\$C\$51	1		
	,3	1		
	,0	1		
	Replicated to row 75.	1		
For <b>Quest</b> i	ion 3 see below for example of spreadsheet formulae.	<u> </u>		
3		2		
	=COUNTA ( )	1		
	B35:B75	1		
For <b>Quest</b> i	ion 4 see below for example of spreadsheet formulae.	<u>'</u>		
4		3		
	=COUNTIF ( )	1		
	E35:E75	1		
	,"Yes")	1		
For <b>Question 5</b> see below for example of spreadsheet formulae.				
5		3		
	=COUNTIFS ( )	1		
	E35:E75,"Yes"	1		
	, F35:F75,"Yes")	1		

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Question	Answer	Ма	ırks		
For Questi	For Question 6 see below for example of spreadsheet formulae.				
6			7		
	=COUNTIFS ( )	1			
	D35:D75	1			
	as an absolute reference	1			
	,A9	1			
	as a relative reference	1			
	,\$E\$35:\$E\$75,"Yes"	1			
	,\$F\$35:\$F\$75,"Yes"	1			
For Questi	on 7 see below for example of spreadsheet.	•			
7			5		
	Cells A1:C1 and B7:B8 merged	1			
	Row 1 – 22-point black	1			
	Rows 1 to 10 sans-serif	1			
	Text in B7:B8 wrapped as shown	1			
	A3:A5 & A9:A10 right aligned, B1:B10 centre aligned	1			
For Questi	on 8 see below for example of formulae spreadsheet.	•			
8			2		
	Formulae printout – Only cells A1 to C75 fully visible	1			
	Formulae printout – Landscape orientation with row and column headings	1			
For Questi	For <b>Question 9</b> see below for example of values spreadsheet and selection method.				
9			4		
	Values printout – Rows 1 to 8 and selected rows from 9 to 32 fully visible	1			
	Values printout – filter used to remove reefs with 0	1			
	Values printout – Portrait orientation with row and column headings	1			
	Screen shot evidence of selection method	1			
Total			35		

## Task 3 – File management

Question	Answer	Marks
For Queston 10 see below for example of folder screen shot.		
10	Screen shot includes folder name, file names, file sizes, image dimensions, file extensions/type	1
Total		1

## Task 4 – Web Page

Question	Answer	Marks			
For <b>Quest</b> i	For <b>Question 11</b> see below for examples of html and browser view.				
11	8				
	No letters or dimensions visible	1			
	Table style="width:85%;" of browser window	1			
	Single table used	1			
	Borders not visible	1			
Row 1 – colspan="2"		1			
	Row 1 – style="height:20%;"	1			
	Row 2 & row 4 left – rowspan="2"	1			
	Row 2 / row 4 left – style="width:60%;"	1			
For <b>Quest</b> i	on 12 see below for example of HTML.				
12	Title accurate and in head section	1			
For <b>Quest</b> i	For Question 13 see below for example of HTML.				
13		3			
	Top row – Conserve our endangered species	1			
	Row 2 right cell – Splendid toadfish	1			
	both set in style h1	1			

# Cambridge IGCSE – Mark Scheme **PUBLISHED**

Question	Answer	Mar	ks		
For Questi	For <b>Question 14</b> see below for example of HTML.				
14	14				
	Row 5 right cell – Created by: followed by name, centre number and candidate number	1			
	all set in style h2	1			
For Questi	on 15 see below for example of browser view.				
15	Row 2 left – the image j2431splendid.jpg Row 3 right – the image j2431contact.jpg Row 4 right – the image j2431location.jpg		1		
For Questi	For <b>Question 16</b> see below for example of HTML.				
16	Appropriate alternate text to all 3 still images		1		
For Questi	For Question 17 see below for example of HTML and browser view.				
17			2		
	Bottom left cell – text from source file 100% accurate	1			
	in 3 paragraphs set in style p	1			
For Questi	For <b>Question 18</b> see below for example of HTML.				
18	Stylesheet j2431style.css attached in head section		1		

# Cambridge IGCSE – Mark Scheme **PUBLISHED**

Question	Answer	Marks			
For Questi	For Question 19 see below for example of CSS.				
19	19				
	Correct file name and type	1			
	Comments /* A Candidate zz999 9999 */ at top of stylesheet				
	Body {} with background-image: url("j2431logo.png");	1			
	Body {} with background-repeat: no-repeat;	1			
	Body {} with background-position: top left;	1			
	Table {} with margin-right:0;	1			
	Table {} with margin-left:auto;				
	h1, h2 and p {} font-family: Times	1			
	, "Times New Roman" in speech marks				
	, serif	1			
	h1, h2 and p {} font-weight: bold;	1			
	h1, h2 and p elements in a single selector	1			
	p {text-align: justify; }	1			
	Stylesheet j2431css2_ZZ999_9999.css attached below j2431style.css	1			
For Question 20 see below for example of browser view.					
20	In browser, address visible	1			
Total	Total				

Footer	Name, centre, candidate no left aligned	1 mark
	File name with no file path on the right	1 mark

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B3
                                                                                                                                                                                   =COUNTA ( ... )
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                    location with photo and GPS
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                                                                                                                                                                                   ... ,A9 ...
                                                                                                                                                                                                                                                                                                                                                      1 mark
                                                                                                                                                                                   ... as a relative reference
                                                                                                                                                                                                                                                                                                                                                      1 mark
                                                                                                                                                                                   ... $E$35:$E$75,"Yes" ...
                                                                                                                                                                                                                                                                                                                                                      1 mark
                                                                                                                                                                                   ... $F$35:$F$75,"Yes" ...
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San Juan Revi account PRISOSES ESCTS, ASSES ESCTS, "Yes", 2953 ESTSTS, "Yes"

San Juan Revi account PRISOSES ESCTS, ASSES ESCTS, "Yes", 2953 ESTSTS, "Yes"
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4 45030	Dave	<ul> <li>VLDGKUPIB64, '01/Citight, Tr2004/June 51/Q0451d version(Q3401d versionS402-5055), 5(0)</li> </ul>
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5 45332	Dave	<ul> <li>***LDOKUMB75.00 (cit*)041.73.004/uma 11/4043.66 emicro(0340.66 ven) "SAG2 (cit)1.341.</li> </ul>

A Carditions (2009) 9899 Spientist\_22000\_0000

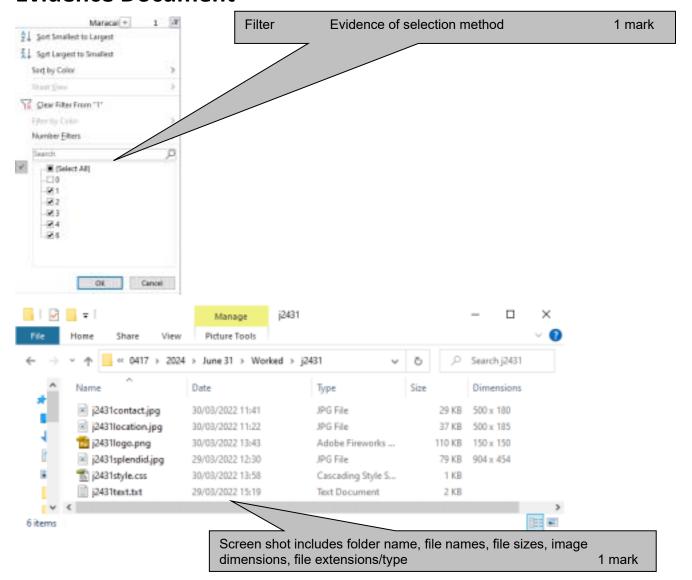
	A	В
1	Splendid toadfish sigh	tings
Z		
3	Number of sightings in 7 day period	41
4	Number of sightings with photograph	34
5	Number of sightings with photo and GPS	30
7	Location with photo and GPS	Number of
8	Reef name	sightings
9	Maracaibo	1
11	Punta Sur	1
12	Columbia Shallows	4
13	Columbia Deep	1
15	Palancar Horseshoe	1
16	Palancar Bricks	1
17	Palancar Gardens	1
18	La Francesca	3
19	Dalila	6
20	Paso del Cedral	3
22	Santa Rosa Shallows	3
24	Tunich Wall	1
25	Yucab	2

	Printout	Cells A1:B1 and B7:B8 merged Row 1 – 22-point black Rows 1 to 10 sans-serif Text in B7:B8 wrapped as shown A3:A5 & A9:A10 right and B1:B10 centre aligned Rows 1 to 8 and selected rows from 9 to 32 fully visible Filter used to remove reefs with 0	1 mark 1 mark 1 mark 1 mark 1 mark 1 mark 1 mark
	Timout		
- 1			

A Candidate ZZ999 9999

Splendid\_ZZ9999\_9999.xlsx

## **Evidence Document**



```
Stylesheet j2431css2 zz999 9999.css
                                                                        1 mark
                 Correct file name & type
Comments
                 /* Candidate details */ at start
                                                                        1 mark
body
                 { background-image: url("j2431logo.png");
                                                                        1 mark
                  background-repeat: no-repeat;
                                                                        1 mark
                  background-position: top left; }
                                                                        1 mark
table
                 { margin-right: 0;
                                                                        1 mark
                  margin-left: auto }
                                                                        1 mark
h1,h2,p
                 { font-family: Times ...
                                                                        1 mark
                 ..., "Times New Roman" in speech marks ...
                                                                       1 mark
                                                                       1 mark
                  font-weight: bold; }
                                                                       1 mark
h1, h2, p
                 h1,h2 and p included in a single selector
                                                                       1 mark
                 { text-align: justify; }
                                                                        1 mark
```

```
j2431css2_ZZ999_9999
                                                           8
      Edit
File
             View
/* A Candidate ZZ999 9999 */
        { background-image: url("j2431logo.png");
body
          background-repeat: no-repeat;
          background-position: top left; }
        { margin-right: 0;
table
          margin-left: auto; }
h1,h2,p { font-family: Times, "Times New Roman", serif;
          font-weight: bold; }
        { text-align: justify; }
```

```
<!DOCTYPE html>
                               Title accurate and in head section
                                                                 1 mark
<html>
                               i2431style.css attached in head section
                                                                 1 mark
 <head>
                              j2431css2 ZZ999 9999.css below j2431style
                                                                 1 mark
 <title>Splendid toadfish</tit
 <link rel="stylesheet" type="text/css" href="j2431sty/</pre>
 <link rel="stylesheet" type="text/css" href="j2431cs/2Z2999 9999.css">
 </head>
 <body>
                               Table
                                          style="width:85%;"
                                                                 1 mark
                                          Single table used
                                                                 1 mark
  colspan="2"
                               Row 1
                                                                 1 mark
                                          style="height:20%;"
                                                                 1 mark
    <td colspan="2" style="hei
      <h1>Conserve our endangered species</h1>
    Row 2 & 4
                                        rowspan="2"
                                                               1 mark
   style="width:60%;"
                                                               1 mark
    <td rowspan="2" style="width: 9"
      <img src="j2431splendid.jpg" alt="Image of splendid toadfish"</pre>
width="100%">
    <h1>Splendid toadfish</h1>
    <img src="j2431contact.jpg" alt="Contact us button">
    The splendid toadfish is sometimes called the coral toadfish. Its
Latin name is Sanopus splendidus and it is primarily found in the waters
around the island of Cozumel in Mexico. In recent years some have been
spotted in Belize and on the mainland coast of the Yucatan near Cancun.
Whether these isolated viewings are due to natural influences or the
influence of man is unknown. These are very difficult to spot as their dens
tend to be below small coral outcrops, usually with a sand patch in the lee
of the predominantly South to North current. They are rarely seen during
the day outside their den.
      Like all toadfish it has a flat, broad head and barbells. Its
eyes are located on the top of its head and it has small sharp teeth. It is
a predator eating smaller fish and crustaceans. Unlike other toadfish it
has vibrant colours which range from blue-grey to purple, with black, blue
or grey stripes. Its fins are rimmed with bands of bright yellow.
      Although this species is not critically endangered it is listed
as being extremely vulnerable and is often very difficult to locate.
    Appropriate alternate text to all 3 still images
                                                              1 mark
      <img src="j2431location.jpg" alt="Location button">
```

