Cambridge IGCSE™ (9–1)

INFORMATION AND COMMUNICATION TECHNOLOGY **0983/31**

Paper 3 Data Analysis and Website Authoring **May/June 2022**

MARK SCHEME

Maximum Mark: 80

Published

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.
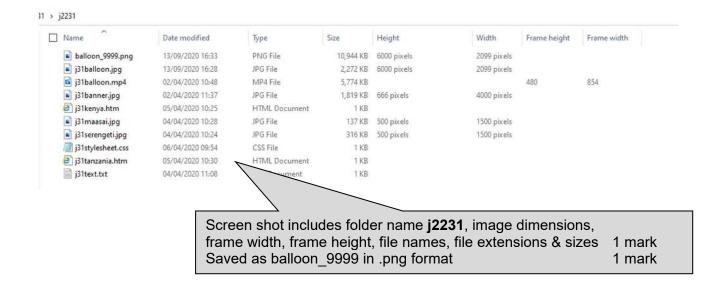

GENERIC MARKING PRINCIPLE 5:

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.
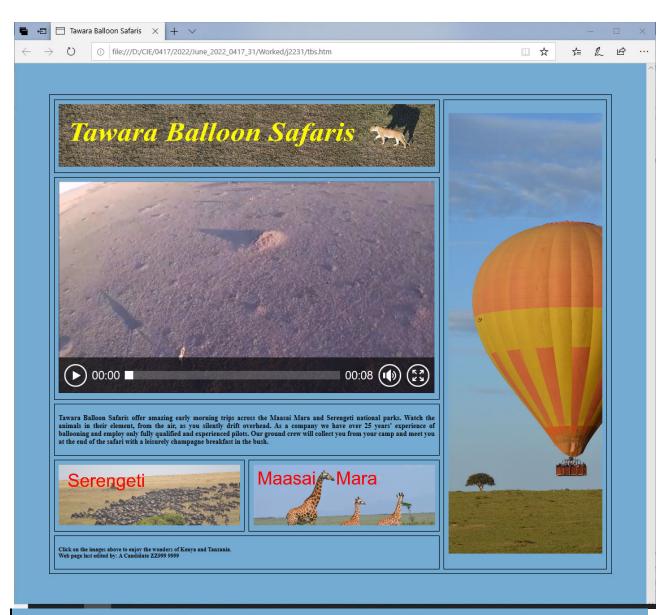

Evidence document

31 › j2231

Name	Date modified	Type	Size	Height	Width	Frame height	Frame width
balloon_9999.png	13/09/2020 16:33	PNG File	10,944 KB	6000 pixels	2099 pixels		
j31balloon.jpg	13/09/2020 16:28	JPG File	2,272 KB	6000 pixels	2099 pixels		
j31balloon.mp4	02/04/2020 10:48	MP4 File	5,774 KB			480	854
j31banner.jpg	02/04/2020 11:37	JPG File	1,819 KB	666 pixels	4000 pixels		
j31kenya.htm	05/04/2020 10:25	HTML Document	1 KB				
j31maasai.jpg	04/04/2020 10:28	JPG File	137 KB	500 pixels	1500 pixels		
j31serengeti.jpg	04/04/2020 10:24	JPG File	316 KB	500 pixels	1500 pixels		
j31stylesheet.css	06/04/2020 09:54	CSS File	1 KB				
j31tanzania.htm	05/04/2020 10:30	HTML Document	1 KB				
j31text.txt	04/04/2020 11:08	~~ument~~	1 KB				

Screen shot includes folder name **j2231**, image dimensions,
frame width, frame height, file names, file extensions & sizes   1 mark
Saved as balloon_9999 in .png format   1 mark

```
j31stylesheet_ZZ999_9999.css - Notepad                               —    □
File  Edit  Format  View  Help
/* Last edited by A Candidate, ZZ999, 9999 for Tawara Balloon Safaris */

body              {background-color:#74abd2;}

h1,h2,h3          {font-family: "Times CY", "Times New Roman", serif;
                  color: #000000;}

h1                {text-align: center;
                  font-size: 16pt;}

h2                {text-align: justify;
                  font-size: 12pt;}

h3                {text-align: left;
                  font-size: 10pt;}

table             {border-collapse: separate
                  border-spacing: 10px;
                  margin-left:5%;
                  margin-right:5%;
                  margin-top:5%;
                  margin-bottom:5%;}

table,td          {border: 1px solid #000000

td                {padding: 10px}
```

Comment	/* Candidate details at top	1 mark
	*/ corrected	1 mark
body {…}	background-color: #74abd2	1 mark
h1,h2,h3 {…}	font-family: "Times CY"	1 mark
	,"Times New Roman"	1 mark
	,serif	1 mark
	color: #000000	1 mark
	all 3 correct fonts & colour in h1, h2, h3	1 mark
	3 styles using single selector	1 mark
h1 {…}	text-align:center;	1 mark
	font-size: 16pt	1 mark
h2 {…}	text-align:justify;	1 mark
	font-size: 12pt	1 mark
h3 {…}	text-align:left;	1 mark
	font-size: 10pt	1 mark
table {…}	border-collapse: separate;	1 mark
	border-spacing:10px;	1 mark
	margin-left:5%	1 mark
	margin-right:5%	1 mark
	margin-top:5%	1 mark
	margin-bottom:5%	1 mark
table,td {…}	border-width:1px	1 mark
	border-style:solid	1 mark
	border-color:#000000	1 mark
	All using single selector	1 mark
td {…}	padding:10px;	1 mark
CSS syntax	Correct css syntax	1 mark

In browser, address visible	1 mark
Separated table & cell borders visible	1 mark
3 left still images visible in correct cells	1 mark
Balloon image in right cell	1 mark
Rotated through 90º clockwise	1 mark
Horizontal reflection (flip)	1 mark
Video visible	1 mark
Text placed from source file	1 mark
In style h2	1 mark
Line 1 text entry 100% accurate	1 mark
Web page last edited by: A Candidate ZZ999 9999	1 mark
Split as 2 paragraphs	1 mark
in h3	1 mark

```
<!DOCTYPE html>
<html>
 <head>
  <Title>Tawara Balloon Safaris</title>
  <base target="_new"/>
  <link rel="stylesheet" type="text/css"
href="j31stylesheet_ZZ999_9999.css">
 </head>

 <body>
   <table style="width:90%;" border="1">

    <tr>



      <td colspan="2" style="width:70%;">
        <img src="j31banner.jpg" alt="Banner for Tawara Balloon Safaris"
style="width:100%" />
      </td>

      <td rowspan="5" style="width:30%;">
        <img src="balloon_9999.png" alt="Image of a hot air balloon"
style="width:100%" />
      </td>
    </tr>
    <tr>
      <td colspan="2" style="width:70%">



<video width="100%" controls>
        <source src="j31balloon.mp4" type="video/mp4">
         Your browser does not support this video file type.
      </video>
     </td>
    </tr>
    <tr>
      <td colspan="2" style="width:70%; height:10%">
        <h2>Tawara Balloon Safaris offer amazing early morning trips across
the Maasai Mara and Serengeti national parks. Watch the animals in their
element, from the air, as you silently drift overhead. As a company we have
over 25 years' experience of ballooning and employ only fully qualified and
experienced pilots. Our ground crew will collect you from your camp and
meet you at the end of the safari with a leisurely champagne breakfast in
the bush.
        </h2>
      </td>
    </tr>
    <tr>
      <td style="width:35%">
        <a href="j31tanzania.htm" target="_self">
```

Annotation boxes (mark scheme):

Item	Detail	Marks
Title accurate and in head section		1 mark
`<base target="_new">` in head section		1 mark
Stylesheet attached in head section …		1 mark
… renamed as j31stylesheet_ZZ999_9999.css		1 mark
Table	style="width:90%" no letters visible	1 mark
Row 1 left	style="width:70%"	1 mark
	colspan=2	1 mark
Row 1 right	style="width:30%"	1 mark
	rowspan=5	1 mark
Row 2	colspan=2	1 mark
Row 2	video <…> tag used …	1 mark
	… width="100%"	1 mark
	… Source<…> tag used …	1 mark
	… src="j31balloon.mp4"	1 mark
	… type="video/mp4"	1 mark
	… Appropriate error message	1 mark
Row 3	colspan=2	1 mark
Hyperlink	anchor around j31serengeti.jpg	1 mark
	href="j31tanzania.htm"	1 mark
	target="_self"	1 mark

```
            <img src="j31serengeti.jpg" alt="Image of wildebeest"
style="width:100%" />
        </a>
    </td>
    <td style="width:35%">
        <a href="j31kenya.htm">
        <img src="j31maasai.jpg" alt="Image of giraffes" style="width:100%"
/>
        </a>
    </td>
    </tr>
    <tr>
    <td colspan="2" style="width:70%; height:10%">
        <h3>Click on the images above to enjoy the wonders of Kenya and
Tanzania.<br>
Web page last edited by: A Candidate ZZ999 9999
        </h3>
    </td>
    </tr>
    </table>
 </body>
</html>
```

| Hyperlink | anchor around j31maasai.jpg | 1 mark |
| | href="j31kenya.htm" | 1 mark |

| 4 still images | Appropriate alt text | 1 mark |
| | style="width:100%" | 1 mark |

Mark from any printout
Header   Candidate details on left   1 mark
               File name **Balloon_ZZ999_9999** with no path on right   1 mark

A Candidate, ZZ999, 9999   Balloon_ZZ999_9999.xlsx

	A	B
1	Balloon equipment checklist	
2		
3	Balloon name:	Beta
4	Item number:	2
5	Equipment item:	=VLOOKUP(B4,j31tables.csv!$A$3:$B$15,2,0)
6		
7	Checked:	=VLOOKUP(B3,j31tables.csv!$D$4:$Q$11,B4+1,0)

B5	=VLOOKUP(...)	1 mark
	B4	1 mark
	j31tables.csv	1 mark
	!$A$3:$B$15	1 mark
	,2,0	1 mark
B7	=VLOOKUP(B3, …)	1 mark
	,j31tables.csv	1 mark
	!$D$4:$Q$11	1 mark
	,B4+1,0	1 mark
	Landscape, row & col heads & fully visible	1 mark

A Candidate, ZZ999, 9999   Balloon_ZZ999_9999.xlsx

Balloon equipment checklist

Balloon name: Beta
Item number: 2
Equipment item: portable lights

Checked: 22 February 2022 by Naserian

Values
Data entered for **Beta** and **2** with correct results   1 mark
Single page fully visible with no row & column headings 1 mark