

Cambridge IGCSE™

INFORMATION & COMMUNICATION TECHNOLOGY**0417/03**

Paper 3 Spreadsheets and Website Authoring

October/November 2024

MARK SCHEME

Maximum Mark: 70

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 October/November 2024 series for most Cambridge IGCSE, Cambridge International A and AS Level components, and some Cambridge O Level components.

This document consists of **7** 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 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
1		2
	Name, centre and candidate number left aligned in header	1
	Text Created on with space then with automated date right aligned in header	1
2		9
	Formatting Cells A1 to F1 and D3 to E3 merged and centred	1
	24-point black text	1
	All text sans-serif	1
	Text in B8 to E8 wrapped as shown	1
	Row 8 centre aligned vertically	1
	A4:A6 and D4:D6 right aligned	1
	Rows 1, 3, 8 to 38 and E4:E6 centre aligned	1
	F4 to F6 right aligned	1
	F4 to F6 formatted as \$ to 4 dp	1
3	Cell B9 =SUM(F9:AC9)	1
4	Cell C9 =AVERAGE(F9:AC9)	1
5		9
	Cell D9 Nested IF with 2 or 3 tiers	1
	=IF(...)	1
	Correct first condition	1
	Correct cell reference	1
	Correct return reference	1
	Correct second condition	1
	Correct cell reference	1
	Correct return reference	1
	Default return reference or third tier	1

Question	Answer	Marks
6		6
	Cell E9 =VLOOKUP (...)	1
	... D9, ...	1
	... \$D\$4:\$F\$6 ...	1
	... ,3 ...	1
	... ,0 ...	1
	*B9	1
7	Cells B9 and E9 replicated to row 38	1
8	Cells E9 to E38 formatted as \$ to 2 dp	1
9		5
	Cell B4 =COUNTIF (...)	1
	... D9:D38 ...	1
	... as absolute reference	1
	... ,D4	1
	... replicated for B5 and B6	1
10		2
	Formulae printout – Cells A1 to F38 only and fully visible	1
	Formulae printout – Portrait orientation with row and column headings	1
11		5
	Screenshot evidence of selection method for high – green ...	1
	Screenshot evidence of selection method for medium – orange ...	1
	Screenshot evidence of selection method for low – red ...	1
	... for range D9:D38 only	1
	... with text clearly visible	1

Question	Answer	Marks
12		4
	Values printout – Single portrait page	1
	Values printout – Only cells in columns A to F and fully visible	1
	Values printout – Cells F8 to F38 white text on white background	1
	No row and column headings visible	1

Task 2 – Web Page

Question	Answer	Marks
13		3
	.red added as class with correct syntax	1
	Red defined as { color:#ff0000;}	1
	.centre { text-align:center;}	1
14	In HTML <table border="0">	1
15		9
	Row 1 set in style h1	1
	Row 2 left – Web development layers set in h2	1
	Row 2 left – All other text in h3	1
	Row 2 left – Numbered titles set with class red	1
	Row 2 and 3 right – Style h2 with class red	1
	Row 4 right – Style h3 with class centre	1
	Bottom row – First line set as style <p>	1
	Bottom row – Each of last 3 lines set with 	1
	Bottom row – Last 3 lines set as unordered list 	1
16	Head section - <title> Web programming tips </title>	1
17	Head section - base target="_self"	1
18		2
	Row 2 right – Anchor set around text HTML	1
	Row 2 right – 	1
19		2
	Row 3 right – Anchor around text CSS to <a href="n24css.htm" ...	1
	... target="_blank">	1

Question	Answer	Marks
20		4
	Head section - Metadata with <meta ... >	1
	Head section – <meta charset="UTF-8">	1
	Head section – <meta name="description" ...	1
	... content=" ... appropriate description of page" >	1
21	Browser view - In browser, address visible	1