CAMBRIDGE
International Education

Cambridge International AS & A Level

INFORMATION TECHNOLOGY **9626/02**

Paper 2 Practical **February/March 2025**

MARK SCHEME

Maximum Mark: 90

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 February/March 2025 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 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.

Question	Answer	Marks
MyVideo_		
1(a)	***Video edit***	**5**
	Aspect ratio set to 16:9	
	Clip trimmed to start after 2 seconds	
	Clip trimmed to 30 seconds	
	Speed = 0.5 times	
	Exported as MyVideo_ZZ999_9999.mp4	
credits.png		
1(b)	***Image resize***	**2**
	File **credits.png** resized (not cropped)	
	Resized to match frame height and width of MyVideo	

Question	Answer	Marks
TTTVideo_		
2(a)	***0 seconds***	**2**
	Edit starts correctly at 0 seconds with Solid yellow background.	
	How to play TTT **by** A Candidate at top right and edited to candidate name.	
2(b)	***6 seconds***	**2**
	Edit starts correctly at 6 seconds.	
	Background remains but title is removed	
2(c)	***7 seconds***	**3**
	Edit starts correctly at 7 seconds.	
	Background remains and text **A 2-player game** added …	
	… in the same style as the title	
2(d)	***11 seconds***	**3**
	Edit starts correctly at 11 seconds.	
	MyVideo placed …	
	… using a dissolve transition	

Question	Answer	Marks
2(e)	***41 seconds***	**5**
	Edit starts correctly at 41 seconds.	
	Credits image saved at step 1 as background for credits …	
	… with correct still image – 3 green squares…	
	… cropped to A1:E5 only	
	… placed bottom left corner	
2(f)	***Credits***	**3**
	Credits scroll up the screen	
	Credits include: **Video edited by:** candidate details	
	… video by **TTTEnterprises**	
2(g)	***Whole video***	**2**
	All text with appropriate colour selection, easily read, good contrast	
	Exported as TTTVideo_ZZ999_9999.mp4	

Question	Answer	Marks
TTT_		
3(a)	***Format & Restrictions***	**4**
	New spreadsheet **TTT**_ZZ999_9999	
	Cells B2:D4 48-point sans-serif font	
	Cells B2:D4 have thick cell borders	
	Cell alignment, row and column spacing as shown	
3(b)	***Validation & error msg***	**6**
	Data validation set as X O	
	Blank cells allowed	
	Appropriate prompt for input message	
	Data validation has appropriate error message…	
	… with instructions as to correct data range	
	Same rule for all 9 cells	

Question	Answer	Marks
4(a)	***Conditional formatting***	**4**
	Conditional formatting 8 rules with ranges used	
	… all give green background	
	… using formulae	
	… all rules trap out blank cells	
4(b)	***Linear ranges***	**6**
	Set for B2:B4	
	Set for C2:C4	
	Set for D2:D4	
	Set for B2:D2	
	Set for B3:D3	
	Set for B4:D4	
4(c)	***Diagonal ranges***	**2**
	Set for B4,C3,D2	
	Set for B2,C3,D4	
4(d)	***Rules format***	**2**
	Each rule uses AND or nested IF or IFS…	
	… with pairs of cells equal	

Question	Answer	Marks
Evidence_		
5(a)	***Identification***	**2**
	Test type identified as conditional formatting	
	3 appropriate locations identified	
5(b)	***Columns***	**2**
	Columns for test data for all 3 selected	
	Columns for expected and actual results	

Question	Answer	Marks
5(c)	***Test data***	**5**
	Tests include blank, O and X …	
	… 10 or more unique tests …	
	… 20 or more unique tests …	
	… all 27 correct tests identified …	
	… no duplicate tests	
5(d)	***Background colours***	**3**
	3 X's gives green background	
	3 O's gives green background	
	All other test data gives white background	

Question	Answer	Marks
6(a)	***Customer***	**1**
	Table name – appropriate e.g. Customers	
6(b)	***Fieldnames***	**3**
	Appropriate fieldnames	
	No spaces in fieldnames	
	Fieldnames short and meaningful	
6(c)	***Atomic data***	**3**
	Name is atomic – 2 fields	
	Address and Zip code are atomic – 4 fields	
	Area code and telephone number are atomic – 2 fields	
6(d)	***Primary key***	**1**
	CustNo as primary key	
6(e)	***Data types***	**3**
	All name and address field**s** alphanumeric	
	Zip code alphanumeric	
	Area code and telephone both alphanumeric	

Question	Answer	Marks
6(f)	***Name***	**2**
	Field size for Forename between 10 & 50	
	Field size for Surname between 11 & 50	
6(g)	***Add1/2/3***	**3**
	Field size for Add1 between 19 & 50	
	Field size for Add2 between 13 & 50	
	Field size for Add3 between 12 & 50	
6(h)	***Zip/Area Codes & Telephone***	**3**
	Field size for ZipCode = 4	
	Field size for AreaCode = 5	
	Field size for Telephone = 6	

Question	Answer	Marks
Data_		
7(a)	***Data file***	**3**
	Saved in appropriate file format for input into d/b	
	Sorted into order on customer number	
	Duplicate records removed	

Question	Answer	Marks
Customer_		
8(a)	***Database***	**5**
	Customer_ZZ999_9999 created from Data_ (40 records)	
	Fieldnames match data dictionary	
	Data types match data dictionary	
	Key field match data dictionary	
	Field lengths match data dictionary	