Cambridge International AS & A Level

INFORMATION TECHNOLOGY   **9626/04**

Paper 4 Advanced Practical   **May/June 2025**

MARK SCHEME

Maximum Mark: 90

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Published

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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 May/June 2025 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.

Question	Answer	Marks
Task 1(a) – Database Candidate file **Week21_**		
1(a)(a)	3 tables and a link table created (Sales / Transactions / Invoices / Orders)	1
	Single link table created with a valid primary key included	1
	No duplication of fields seen in the tables and relationships established	1
1(a)(b)	Trader table created - records - Valid primary key	1
	Car table created	1
	Data for 155 cars imported	1
	Buyer table created with a valid primary key	1
	Data for 112 buyers imported	1
1(a)(c)	Sold_for field set as currency Warranty field set as yes/no Year and mileage fields set as number	1
	Fees field set as a calculation - may be in a table, a query or in the form	1
	Valid calculation e.g: IIf([Sold_for]<1000,[Sold_for]*0.05,IIf([Sold_for]<=2000,[Sold_for]*0.04,[Sold_for]*0.03)) or equivalent with correct inequalities	1
	The relationships work - records expand e.g. - Buyers table shows car purchased by each buyer	1
1(a)(d)	Form created - yellow header - dark text - small car logo in correct place - all visible	1
	Title text correct - Formatted as shown	1
	Subtitle correct - smaller - formatted as shown	1
1(a)(e)	Trader labels (all) correct, and all trader data as shown - all visible with larger car logo	1
	Trader labels and fields all correctly aligned and sized as shown - all visible with no boxes	1
	Cars Sold/Unsold labels correct - subforms and fields as shown	1
1(a)(f)	Sold subform fields – Car_id, Make, Model, Year, Mileage, Sold_for, Fee All visible without horizontal scrolling	1
	Unsold Subform fields - Car_id, Make, Model, Year, Mileage, Day_in_Sale All visible without horizontal scrolling	1

Question	Answer	Marks
1(a)(g)	Sold data changes for each trader	1
	Unsold data changes for each trader- Sold/Unsold data must not match	1
1(a)(h)	Tawara City Motors - Sold data shows - Sulzo Doopi, Faux Furrorus	1
	Tawara City Motors Sold Fees show £43.00, £89.70 - Independent for correct values	1
	Tawara City Motors Unsold data shows - Faux Rrari, Ayoto Applause	1
1(a)(i)	Tawara Auto Ace - Sold data shows 6 sales only Caudy Pantanal, Cryst Fjord, Bennro Celario, Vuall Yeet, Bennro Toppo, Puzzilo Mozilo	1
	Tawara Auto Ace - Unsold data - 1 sale only - Cryst Glacier	1
	No scroll bars in either subform - must see both subforms	1
	No navigation controls shown in the subforms	1
1(a)(j)	Data entry disabled in the main form	1
1(a)(k)	Correct labels for Total Sales, Total Fees and Balance	1
	3 labels and 3 fields aligned left - labels and data spaced evenly - must see data	1
	Total Sales calculation (valid attempt) - checked in design view	1
	Total Fees calculation (valid attempt) - checked in design view	1
	Balance calculation (valid attempt) - checked for accuracy	1
1(a)(l)	Total Sales and Total Fees values correct and change with trader Tawara City Motors = £3,850, £132.70 as initial reference	1
	Balance values correct and change with trader Tawara City Motors = £3717.30 as initial reference	1

Question	Answer	Marks
Task 1(b) – Database reports Candidate file **Week21Report_**		
1(b)(a)	Report created – checked in print preview and/or pdf	**1**
	Correct banner text - Tawara Auctions – Car Sales – Weekly report	**1**
	Banner text as two fields - text size different – all visible	**1**
1(b)(b)	Traders grouped	**1**
	Trader name in line with field labels - (Year, Make Model, Sold_for, Fee)	**1**
	Formatting, field spacing and column alignment as shown	**1**
	Totals shown below (grouped) sales data - (Sold_for and Fee)	**1**
	Totals - dividing lines - top and bottom	**1**
1(b)(c)	Totals label bold	**1**
	Total values bold – with no bounding boxes	**1**
	Only sold cars listed for each trader	**1**
1(b)(d)	pdf created	**1**
	One trader per page	**1**

Question	Answer	Marks
Task 2 – Mail merge Candidate files **MergeDoc_** and **ReceiptsDoc_**		
2(a)	Data source in database - not spreadsheet - must see prompt for source	1
	IF {MERGEFIELD Warranty} = conditional field used in the merge doc	1
	17 or 20 letters or <> Monday seen in database or SKIPIF in the merge doc	1
	17 letters or evidence of fully correct selection seen in database or SKIPIFs in the merge doc	1
2(b)	Date in correct format e.g. Wednesday, 23 April 2025	1
	Address block - 3 correct fields – 1 field per line	1
	Salutation - Title and Family name (only) complete and spaced correctly	1
2(c)	Vehicle Make and Model merge fields inserted and spaced correctly	1
	Registered: {MERGEFIELD Year} inserted and spaced correctly	1
	From: {MERGEFIELD Trader} name inserted and spaced correctly	1
2(d)	{IF{MERGEFIELD}=Warranty} = "False" or "True", "Yes" or "No" or null used	1
	{If MERGEFIELD Year} >=2024 or >2023 used	1
	{MERGEFIELD Year} inserted in "*Since the year…*" text	1
	All three warranty text options present	1
	Single (nested) conditional field block for all warranty text Must cover all options - confirm, still, refund	1
2(e)	Letters merged	1
	Correct text for **confirms** warranty statement - (Griffin, Herbert, Fry)	1
	Correct text for 2024/5 warranty **refund** statement – (Hicks, John)	1
	Correct text for **Warranty still available** statement - (12)	1
	All letters are fit for purpose with the correct formatting and spacing	1

Question	Answer	Marks
Task 3 – Animation Candidate files **Race_**		
3(a)	Set to 800 x 200	1
	Grey road - blue background	1
3(b)	The frame is stable with no gaps at the top, bottom or sides No disturbance - nothing shows outside the frame	1
	The barrier always fills frame and moves right to left convincingly	1
	The barrier moves right to left quite smoothly with no 'twitch' or halt	1
	The barrier is intact at all times with no overlap or gaps The squares are undistorted	1
	The barrier is static vertically	1
3(c)	The red car is always central, always visible and the correct size	1
	The red car vertical position is correct No barrier is seen beneath the car	1
	The red car static horizontally and vertically	1
3(d)	The green car is off screen at start and enters incrementally from the left	1
	The green car completes the traverse left to right	1
	The green car takes 6 seconds to entirely traverse the frame	1
	The green car moves horizontally only	1
	The green car vertical position is suitable, the size is correct, and all wheels are within the frame	1
3(e)	The green car moves in front of the static red car	1
	The green car leaves the frame entirely	1
	The green car moves smoothly at a constant speed	1
	The green car starts to reappear from offscreen after completely leaving from the right	1
3(f)	The animation loops seamlessly without a 'twitchy' restart	1