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CAMBRIDGE
International Education

Cambridge International AS & A Level

INFORMATION TECHNOLOGY **9626/02**

Paper 2 Practical **October/November 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 October/November 2025 series for most Cambridge IGCSE, Cambridge International A and AS Level components, and some Cambridge O Level components.

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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.

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Annotations guidance for centres

Examiners use a system of annotations as a shorthand for communicating their marking decisions to one another. Examiners are trained during the standardisation process on how and when to use annotations. The purpose of annotations is to inform the standardisation and monitoring processes and guide the supervising examiners when they are checking the work of examiners within their team. The meaning of annotations and how they are used is specific to each component and is understood by all examiners who mark the component.

We publish annotations in our mark schemes to help centres understand the annotations they may see on copies of scripts. Note that there may not be a direct correlation between the number of annotations on a script and the mark awarded. Similarly, the use of an annotation may not be an indication of the quality of the response.

The annotations listed below were available to examiners marking this component in this series.

Annotations

Annotation	Meaning
Off-page comment	Allows comments to be entered at the bottom of the RM marking window and then displayed when the associated question item is navigated to.

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Task	Answer	Marks
Task 1 – Database Candidate file **Robot_**		
1(a)	***Database***	**3**
	Customer table created	
	Robot table created	
	Model table created	
1(b)	***All tables***	**3**
	No spaces in field names	
	No repeated fields / duplicate data	
	Short meaningful field names	
1(c)	***Relationship Customers.CustID to Robot.CustID***	**3**
	Correct table/query Customers.CustID	
	to correct table/query Robot.CustID …	
	… 1 to many	
1(d)	***Relationship Model.Model to Robot.Model***	**3**
	Correct table/query Model.Model	
	to correct table/query Robot.Model…	
	… 1 to many	
1(e)	***Model table – Initial check***	**3**
	Table name is appropriate	
	Appropriate fieldnames	
	Model as primary key	
1(f)	***Model table – Data types***	**3**
	VisionSystem as Boolean data type	
	Microphone as Boolean data type	
	Other fields alphanumeric/text	

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Task	Answer	Marks
1(g)	***Model table – Character lengths***	**3**
	Model – 7 characters long	
	DeviceType – 6 character long	
	ActuatorType – 9 characters long	
1(h)	***Model table – Duplicate data***	**1**
	Correct 10 records with no duplicate data	
1(i)	***Customer table – Initial check***	**3**
	Table name is appropriate	
	Appropriate fieldnames	
	ID/Cust_ID as primary key	
1(j)	***Customer table* – Secondary check**	**2**
	Appropriate data types	
	Telephone – 12 chars / any extra metadata	
1(k)	***Customer table – Duplicate data***	**1**
	Correct 10 records with no duplicate data	
1(l)	***Robot table – Initial check***	**3**
	Table name is appropriate	
	Appropriate fieldnames	
	SerialNo as primary key	
1(m)	***Robot table – Data types***	**2**
	Arm length integer data type	
	All sensors integer data type	
1(n)	***Robot table – Validation routine***	**1**
	Appropriate validation routine	

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Task	Answer	Marks
Task 2 – Query and Report Candidate file **step_2_**		
2(a)	***Query***	**3**
	Number of sensors calculated	
	… with 6 sensor fields added	
	Search for Ling Enterprises only	
2(b)	***Report – Export***	**2**
	Exported as pdf with filename step_2_ZZ999_9999	
	… as portrait, single page wide	
2(c)	***Report – Automation***	**2**
	Automated name in report header	
	Automated address right aligned in report header	
2(d)	***Report – Formatting***	**4**
	Correct fields selected in correct order	
	Labels not in snake or camel case	
	Vision systems and Microphone displayed as Yes/No	
	Sorted into ascending order of model	

Task	Answer	Marks
Task 3 – Query Candidate file **step_3_** and **step_3a_**		
3(a)	***Query***	**4**
	Dynamic query created	
	Dynamic input for customer name field	
	Dynamic input for model field	
	Both inputs – appropriate input text	
3(b)	***Step_3 exported***	**1**
	Step_3 exported as step_3_ZZ999_9999	

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Task	Answer	Marks
3(c)	***Step_3***	**4**
	Model field moved into report header	
	… with no gap in detail row	
	PPW and Alpha entered	
	… with correct records	
3(d)	***Step_3a exported***	**1**
	Step_3a exported as step_3a_ZZ999_9999	
3(e)	***Step_3a***	**2**
	Wendy White and Golf entered	
	… with correct records	

Task	Answer	Marks
Task 4 – Pivot Table Candidate file **step_4_**		
4(a)	***Pivot table – Initial setup***	**3**
	Pivot table created	
	Model name as row labels	
	All 6 sensors as columns	
4(b)	***Pivot table – Values***	**2**
	Average values calculated	
	Correct values for all 6 columns	
4(c)	***Pivot table – Totals***	**3**
	Totals displayed to reduced number of decimal places…	
	… set to 0, 1 or 2 d.p.	
	Grand Total removed from display / hidden	

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Task	Answer	Marks
4(d)	***Conditional formatting***	**3**
	Range is for average values only	
	Automatic selection criteria for top 1 value	
	Formatted with a yellow background	

Task	Answer	Marks
Task 5 – Video Editing Candidate file **TRXvideo_**		
5(a)	***Video editing***	**1**
	Aspect ratio set to 16 : 9	
5(b)	***0 seconds***	**3**
	Starts correctly at 0 seconds	
	Title background set to first frame of sharks file	
	Title Tawara Robotics top right with no transition	
5(c)	***3 seconds***	**5**
	Starts correctly at 3 seconds	
	Title and background retained with no adjustment/movement	
	TRX-41 trial dive footage on right below title	
	… set as an appropriate subtitle	
	… right aligned & neither text overlaps shark	
5(d)	***7 seconds***	**4**
	Starts correctly at 7 seconds	
	… Text removed	
	… Video file n25sharks.mp4 plays …	
	… with no transition into video file …	
5(e)	***Transition***	**3**
	Dissolve transition into n25turtle.mp4 …	
	… Same dissolve transition into n25manta.mp4	
	… n25manta.mp4 plays at 0.5 times normal speed	

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Task	Answer	Marks
5(f)	***Credits***	**3**
	Credits scroll up, are of appropriate length and run while video playing	
	Credits include: Edited by: candidate name, centre number, candidate number	
	End of video trimmed to 20 seconds	
5(g)	**Whole video**	**3**
	All text appropriate colour selection, easily read, good contrast	
	All text consistent sans-serif font	
	Export TRXvideo_ZZ999_999.mp4 with a resolution of 854 x 480	

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