



Mark Scheme (Results)

Summer 2024

Pearson Edexcel International GCSE

In Information and Communication Technology
(4IT1) Paper 02

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Publications Code 4IT1_02_2406_MS

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General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.
- Mark schemes will indicate within the table where, and which strands of QWC, are being assessed. The strands are as follows:
 - i. ensure that text is legible and that spelling, punctuation and grammar are accurate so that meaning is clear*
 - ii. select and use a form and style of writing appropriate to purpose and to complex subject matter*
 - iii. organise information clearly and coherently, using specialist vocabulary when appropriate.*

Task	Answer	Marks
A1	Graphics	
a	<p><i>Logo created:</i></p> <p>Use all 3 shapes - rectangle, circle and line</p> <p>Suitably represent the <u>car</u> hire theme</p> <p>Include the company name Hire It - serif font – correct spelling and case</p>	<p>1</p> <p>1</p> <p>1</p>
b	<p><i>Image edited:</i></p> <p>Correct dimensions 450 x 300 (11.91 cm x 7.94 cm) – allow 5 pixel tolerance</p> <p>Car removed from road - technique used</p> <p>Logo from A1a added, suitable position, Hire It clearly visible – allow distortion</p>	<p>1</p> <p>1</p> <p>1</p>
c	<p><i>Explain one reason why the filename is different to the original image filename.</i></p> <p>Original image still exists (1) in case the image needs to go back to normal or other editing needs to be done (1)</p> <p>Version control (1) so the creator always has a copy of the original image (1)</p>	<p>2</p>
	Total for Task A1	8

A2	Database											
a	<p><i>Data entry form:</i></p> <div style="text-align: center; margin: 20px 0;">  </div> <ol style="list-style-type: none"> 1. Title 'Cars available for hire' (1) – spelling and case must be accurate 1 2. Width of field names and content set to 3cms (1.812”) – marked from the properties screenshot (1) 1 <p>Field names have:</p> <ol style="list-style-type: none"> 3. dark green background (1) 1 4. light text (1) 1 5. yellow 3pt border – marked from properties screenshot (1) 1 6. Field names and content appropriately aligned with a suitable space between (not touching) (1) 1 											
b	<p><i>Data entry form:</i></p> <table border="1" style="margin: 20px auto; border-collapse: collapse; width: 50%;"> <thead> <tr> <th style="text-align: left;">Field name</th> <th></th> </tr> </thead> <tbody> <tr> <td>CAR ID</td> <td>ST5</td> </tr> <tr> <td>CAR TYPE</td> <td>Standard</td> </tr> <tr> <td>TRANSMISSION</td> <td>Manual</td> </tr> <tr> <td>FUEL TYPE</td> <td>Petrol</td> </tr> </tbody> </table> <p>Award 2 marks for 4 correct entries Award 1 mark for 3 correct entries Award no marks for 0, 1 or 2 correct entries</p>	Field name		CAR ID	ST5	CAR TYPE	Standard	TRANSMISSION	Manual	FUEL TYPE	Petrol	2
Field name												
CAR ID	ST5											
CAR TYPE	Standard											
TRANSMISSION	Manual											
FUEL TYPE	Petrol											

A2
C

Query:

Field:	CLIENT NAME	CLIENT ID	CAR ID	CAR TYPE	TRANSMISSION	FUEL TYPE	INSURANCE
Table:	CLIENTS	CLIENTS	CARS	CARS	CARS	CARS	CLIENTS
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:				"Large SUV"	"Automatic"	"Electric"	
or:							

Correct criteria: - Large SUV, Automatic, Electric

- 1 & 2. Award 2 marks for all 3 correct criteria
- Award 1 mark for 2 correct criteria
- Award no marks for 0 or 1 correct criteria

1
1

Result of Query:

CLIENT NAME	CLIENT ID	CAR ID	INSURANCE
Walker	WA8	LSUV2	<input checked="" type="checkbox"/>
Hughes	HU4	LSUV2	<input type="checkbox"/>
Hughes	HU3	LSUV2	<input type="checkbox"/>
Ashurst	AS32	LSUV2	<input checked="" type="checkbox"/>

- 3. Correct fields only (in any order) – CLIENT NAME, CLIENT ID, CAR ID, INSURANCE (1)
- 4. Fields in correct order – CLIENT NAME, CLIENT ID, CAR ID, INSURANCE (1)
- 5. CLIENT NAME - sorted in descending order (1)

1
1
1

A2
d

Results of query:

DEPOSIT PAID	CLIENT ID	CLIENT NAME
£150.00	AB11	Abebe
£200.00	AS32	Ashurst
£150.00	CH67	Chuke
£150.00	DE4	Desai
£200.00	HU21	Hussain
£100.00	HU6	Hu
£100.00	KE12	Keita
£150.00	KU9	Kumar
£150.00	OL9	Ollie
£200.00	WA8	Walker

Report

1. Suitable title - reference to **Insurance** ignore spelling and case (1) 1
2. Title in serif font **and** size 24 (larger font) (1) 1
3. Correct 10 records – as shown (1) 1
4. Shows **only DEPOSIT PAID, CLIENT ID** and **CLIENT NAME** in any order, no truncation (1) 1
5. Grouping on any field (1) 1
6. Grouping on **DEPOSIT PAID** (1) 1
7. 'Insurance and deposit' included as a page footer – ignore spelling and case (1) 1
8. No date or page numbers in the header or footer (1) 1

A2 e (i)	<i>State one validation check that can be used in a database.</i> Range check Presence check Type check Length check	1
(ii)	<i>Give one reason why sensible names should be used when saving the form, query and report.</i> They can be found easily next time they are needed Anyone else using the database can find them	1
(iii)	<i>Explain one reason Maria has used a relationship in the database.</i> Reduces errors (1) because duplicate records will be prevented (1) Minimised redundant data (1) because they are linked by the keys (1) Saves time (1) because you don't have to key in the same information repeatedly (1) More accurate (1) as you only have to update in one table (1) You can delete one job (1) without a service or client being deleted (1) Data integrity (1) as a CARID cannot be used in the BOOKINGS table without it already existing in the CARS table (1)	2
Total for Task A2		25

A3	Presentation	
a	<p>Slides 1 and 2</p> <p>1. Light green background and dark text/suitable contrast - both slides</p> <p>2. Suitable title on either slide - relates to the slide content - ignore spelling</p> <p>3. Includes slide numbers in the header on either slide</p>	1 1 1
	<p>Slide 1</p> <p>4. Text from the PRESENTATION file</p> <p>5. Includes image EDIT1 - not visibly distorted</p> <p>6. Two appropriate images included – not visibly distorted</p> <p>7. Border and shadow included on at least one image</p> <p>8. Footer – Office Presentation text – ignore spelling and case</p>	1 1 1 1 1
	<p>Slide 2</p> <p>9. Text from the PRESENTATION file (all visible) including the telephone number - 07700 901993 – accept without space</p> <p>10. Telephone number - bold</p> <p>11. Animation on bullets (appear separately and not as one block)</p>	1 1 1
	<p>Slide 3</p> <p>12. A background image - not just placed on slide</p> <p>13. Hire It - serif font, size 60 – correct spelling and case</p>	1 1
	<p>Slides</p> <p>14. At least one slide has a 3 second transition</p> <p>15. The slides must automatically loop continuously – you must run the slide show</p>	1 1
b (i)	<p><i>Give one reason why the notes section could be used for slides</i></p> <p>So additional information can be added for the presenter Allowing slides to be less cluttered/easier to read</p>	1
(ii)	<p><i>Give one reason why master slides should be used when creating presentations</i></p> <p>Consistency between slides/consistent placement of elements Fewer errors Less time consuming Ensures balanced layout</p>	1
	Total for Task A3	17

	Section B	
B1	Spreadsheets	
a (i)	Row 1 formatted:	

	Dark shading and white font Bold text and size 24 Horizontally and vertically centred	1 1 1
(ii)	Date formatted to display as 01 May 2024	1
(iii)	May 2024 included in the header	1
B1	Functions	
b(i)	VLOOKUP for COST PER DAY or INSURANCE COST 1. Use of correct function =VLOOKUP() or =LOOKUP() (1) 2. Use of correct lookup value C4 (1) 3. Use of correct table array (INFORMATION!A\$2:C\$5) – allow to B5 / lookup vector (INFORMATION!A\$2:A\$5) (1) 4. Use of correct column index number (2) or use of correct result vector in Lookup (INFORMATION!B\$2:B\$5) (1) 5. Use of correct column index number for INSURANCE COST (3) or use of correct result vector in Lookup (INFORMATION!C\$2:C\$5) (1) <i>Examples:</i> =VLOOKUP(C4,INFORMATION!A\$2:B\$5,2,0) =LOOKUP(C4,INFORMATION!A\$2:A\$5,INFORMATION!B\$2:B\$5) =VLOOKUP(C4,INFORMATION!A\$2:C\$5,3,0) Allow any other acceptable range – eg, A1:B6 Accept without use of absolute referencing Allow named range	1 1 1 1 1

(ii)	G4 – COST OF HIRE £1800.00 (COST PER DAY * NUMBER OF DAYS HIRE)+INSURANCE COST =(D4*E4)+F4 =(D4*E4) +F4	1 1
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(iii)	<p>H4 – TOTAL COST £1710.00</p> <p>=IF(G4>1500,G4-G4*INFORMATION!\$B\$8,G4)</p> <p>=IF(G4>1500, G4- G4*INFORMATION!\$B\$8,G4)</p> <p>Do not allow the use of 5% in place of INFORMATION!B8 (allow a named cell for B8)</p>	<p>1</p> <p>1</p> <p>1</p>
(iv)	All functions and formulae replicated	1

B1 b(v)	<p>Total income for May including discounts £51609.50</p> <p>=SUM(H4:H41) – allow in any cell in row 43</p>	1
(vi)	<p>1. Total number of Large SUVs hired 11</p> <p>=COUNTIF(C4:C41,"Large SUV") – allow in any cell in row 44</p> <p>=COUNTIF (C4:C41,"Large SUV")</p> <p>2. Average cost of car per day £222.37</p> <p>=AVERAGE(D4:D41) – allow in any cell in row 45</p>	<p>1</p> <p>1</p> <p>1</p>
c	<p>Spreadsheet formatting:</p> <p>1. Currency showing £ with 2dp (columns – D, F, G, H) - NOT cell D44 or column E</p> <p>2. Cells E3 and F3 visibly wrapped (Heading – NUMBER OF DAYS HIRE and INSURANCE COST)</p> <p>3. Borders included on all cells</p> <p>4. All functions and formulae visible in formulae view</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>
	Total for Task B1	24

B2a	Chart with: Suitable title – reference to hire costs Suitable X and Y axis labels – <i>Car Type (X) Cost (Y)</i>	1 1										
B2b	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>CLIENT ID</th> <th>TOTAL CO</th> </tr> </thead> <tbody> <tr> <td>AD12</td> <td>£2,052.00</td> </tr> <tr> <td>HU21</td> <td>£2,052.00</td> </tr> <tr> <td>HU3</td> <td>£2,052.00</td> </tr> <tr> <td>KU7</td> <td>£2,052.00</td> </tr> </tbody> </table>	CLIENT ID	TOTAL CO	AD12	£2,052.00	HU21	£2,052.00	HU3	£2,052.00	KU7	£2,052.00	
CLIENT ID	TOTAL CO											
AD12	£2,052.00											
HU21	£2,052.00											
HU3	£2,052.00											
KU7	£2,052.00											
(i)	Filter for <i>Large SUVs</i> hired for 7 Days	1										
(ii)	Only shows <i>CLIENT ID</i> and <i>TOTAL COST</i> Do not penalise for other rows showing at the bottom of the spreadsheet	1										
	Total for Task B2	4										

B3	<i>Identity the spreadsheet feature labelled A</i>	
(i)	Named range	1
(ii)	<p><i>Give one reason why multiple worksheets are used when creating a spreadsheet.</i></p> <p>So that one worksheet is not cluttered/ contains too much information To organise information Make the information easier to understand since it is organised into separate tables</p>	1
(iii)	<p><i>Explain one reason why formula replication is used in spreadsheets.</i></p> <p>To save time/reduce errors (1) as you only have to key in the formula once (1)</p>	2
	Total for Task B3	4

B4	Word processing	
a	<p>INFORMATION SHEET:</p> <ol style="list-style-type: none"> Pale green background Double line page border Title – serif font, bold and centred Numbered bullets on the three items under ‘What we offer:’ Text wrapped around the image Two columns for 20% content paragraph Alt text on image ‘Car styles’ added to image (shown to the left of the table) - correct spelling and case Fits on one page <p>Table</p> <ol style="list-style-type: none"> Row 1 merged and centred Row 1 text ‘July’ New row added between rows 3 and 4 (between STANDARD and SMALL SUV) Correct text inserted in new row Car Type PREMIUM, Transmission Automatic, Fuel type Hybrid - correct spelling, ignore case Footer – July Offers correct spelling and case Footer – right aligned 	<p>1</p>
b	<p><i>Improvement (seen on INFORMATION SHEET 3)</i></p> <p>State the reason why the change has improved the information sheet – only award if version 3 is available and a difference has been made</p>	1
B4c (i)	<p><i>Give one reason why text wrap is used when presenting text and images.</i></p> <p>To present the text and images neatly So that an image can be clearly linked to relevant text So that the image doesn’t interfere with line spacing</p>	1
(ii)	<p><i>Explain one reason why information is added to a footer in a word processed document.</i></p> <p>To separate additional information from the body text (1) which makes the document easier to read/follow (1)</p> <p>To add page numbers (1) so that the user knows where they are in the document/ to aid navigation</p>	2
	Total for Task B4	18