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Mark Scheme (Results)

Summer 2023

Pearson Edexcel International GCSE In Information and Communication Technology (ICT) (4IT1) Paper 02

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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.

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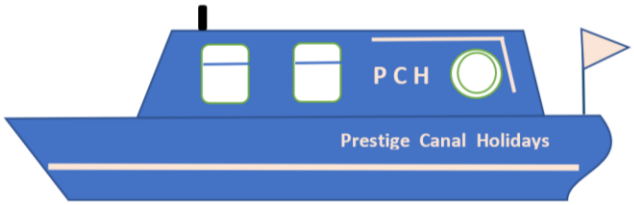
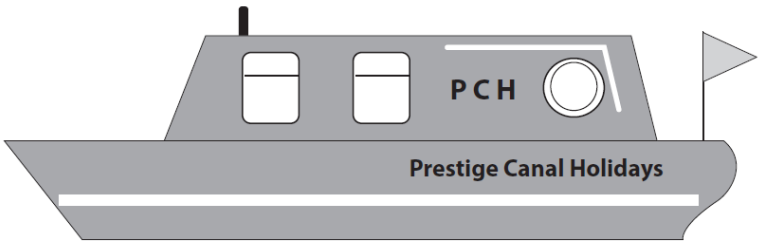
Task	Answer	Marks
	Section A	
A1	**Graphics**	
a	 	
	1. Pointed front of lower section	1
	2. Circle for window **or** triangle for flag **or** rectangle for window **or** rectangle for chimney	1
	3. Rounded corners on rectangular windows	1
	4. Use of lines (shown as peachy colour on the MS) – upper section or lower section	1
	5. Shaped back of boat on lower section to match the design	1
	6. Fill on lower section – regardless of shape drawn	1
	7. Upper section matches the design - chimney position, shape angles at both ends, windows position, text, flag	1
	8. Inner circle within circular window	1

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b	Lucienne already uses the eraser tool. *Give **one** other way to remove the unwanted object.* Clone stamp/clone tool Heal/healing brush/tool Selection tools and layer mask/copy and paste another part of the image Allow crop	1
	Total for Task A1	**9**

A2	**Database**	
a	*Data entry form:* New guest data entry form GUEST_ID TITLE LAST NAME POST CODE MOBILE NUMBER DATE OF BIRTH 101 MR Jayasinghe Z26 4UT 07700 900912 19/06/1964 102 MS Danza W29 2HQ 07700 900384 11/04/1986 103 DR Zizzi T26 2GQ 07700 900029 05/06/1978 104 MR Fonseca A29 3NR 07700 900695 26/10/1961 1. Form set as table format 2. Header is set to a height of 2cm – marked only from the screenshot showing the height 3. The heading 'New guest data entry form' entered in the header on one line 4. The heading **or** field names set to white **on a** dark background 5. Field name borders removed 6. No truncation	1 1 1 1 1 1

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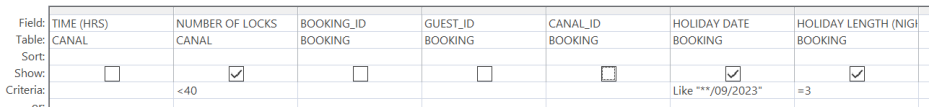
b

Query:



Field:	TIME (HRS)	NUMBER OF LOCKS	BOOKING_ID	GUEST_ID	CANAL_ID	HOLIDAY DATE	HOLIDAY LENGTH (NIGH
Table:	CANAL	CANAL	BOOKING	BOOKING	BOOKING	BOOKING	BOOKING
Sort:							
Show:	☐	☑	☐	☐	☐	☑	☑
Criteria:		<40				Like "**/09/2023"	=3

Correct criteria: - booked for September 2023, less than 40 locks, 3 nights

>=#01/09/2023# and <= #30/09/2023#
>#31/08/2023# and <#01/10/2023#
between #01/09/2023# and #30/09/2023#

<40 <=39 for the Number of Locks
=3 for Holiday Length (Number of nights)

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

Result of Query:

CANAL_ID	JOURNEY NAME	HOLIDAY DATE	NUMBER OF LOCKS	DISTANCE (KM)
17	Homps via Le Somail to Homps	25/09/2023	12	40
18	Trebes via Carcassone to Trebes	19/09/2023	12	26
16	Casternaudary to Trebes	16/09/2023	31	52

3. Correct fields **only** (in any order) – CANAL_ID, JOURNEY NAME, HOLIDAY DATE, NUMBER OF LOCKS, DISTANCE – No truncation — 1

4. Fields in correct order – CANAL_ID, JOURNEY NAME, HOLIDAY DATE, NUMBER OF LOCKS, DISTANCE – Ignore truncation — 1

5. Holiday date - sorted in descending order — 1

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A2
c

Three records:

GUEST_ID	TITLE	LAST NAME	DATE OF BIRTH	HOLIDAY DATE
102	MS	Danza	11/04/1986	06/07/2023
115	MR	Alwis	24/07/1972	15/07/2023
111	MS	Ali	15/06/1973	05/08/2023

Report format:

GUEST_ID	102
TITLE	MS
LAST NAME	Danza
DATE OF BIRTH	11/04/1986
HOLIDAY DATE	06/07/2023

1. Column format — 1
2. Suitable title (reference to holidays/guests) — 1
3. Title has serif font — 1
4. Logo inserted top right — 1
5. Correct 3 records — 1
6. Sorted into ascending order of **HOLIDAY DATE** — 1
7. Shows **only GUEST ID, TITLE, LAST NAME, DATE OF BIRTH** and **HOLIDAY DATE** in that order – No truncation — 1
8. Include Prestige Canal Holidays in the footer – Ignore spelling — 1

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A2 d (i)	*Identify **one** field in the **HOLIDAY** database that could have used a lookup list.* Title (Guest table) Number of nights (Booking table) Accept reference to a foreign key (as long as it makes sense)	1
(ii)	*Explain why a lookup list is used in a database table.* Reduces errors (1) as the user can select from a given list rather than typing it in and making mistakes (1)	2
(iii)	*State the validation check that would be most appropriate for the **POST CODE** field in the **GUEST** table.* Format check	1
(iv)	*Explain why a primary key is used in a database.* A unique way to identify a record (1) so that duplicate entries cannot be made (1) To identify each record in a table (1) because the primary key must be unique (1)	2
	Total for Task A2	**25**

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A3	Presentation	
a	**Both slides** 1. Light blue background **and** dark blue text	1
	2. Include a suitable title – Canals/Holiday	1
	3. Include appropriate text from the PRESENTATION file	1
	Slide 1 4. Logo from Task 1a included	1
	5. 3 seconds timed and automatic transition to the second slide	1
	6. Website link – http://www.pch.service	1
	7. Email link – mailto:Lucienne@pch.service	1
	8. Two appropriate images inserted	1
	9. Images aligned – vertically or horizontally	1
	10. Images sized 250px x 250px (6.62cm x 6.62cm)	1
	Slide 2 11. Consistent animation effect applied to the names of the rivers and canals – at least two names	1
	12. Slide number centre aligned on slide 1 **and** slide 2	1
	Either slide 13. Link from Slide 2 to Slide 1	1
b	Handouts footer includes company name (Prestige Canal Holidays)	1
c	*Explain **one** benefit of using placeholders when creating a presentation.* Consistency of slides (1) as the placeholders are all pre-formatted (1)	2
	Total for Task A3	**16**

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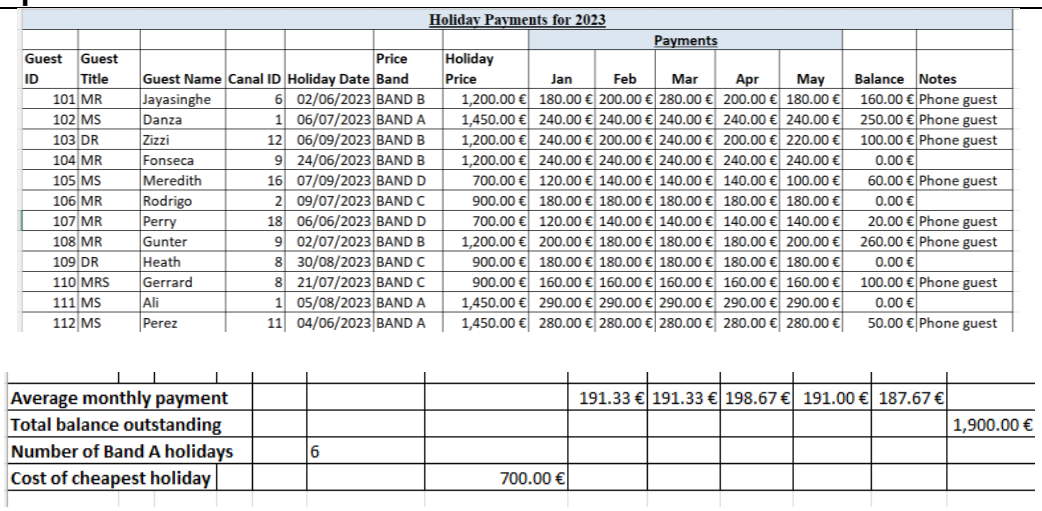
	Section B	
B1	**Spreadsheets**	
		

Holiday Payments for 2023

Guest ID	Guest Title	Guest Name	Canal ID	Holiday Date	Price Band	Holiday Price	Payments Jan	Feb	Mar	Apr	May	Balance	Notes
101	MR	Jayasinghe	6	02/06/2023	BAND B	1,200.00 €	180.00 €	200.00 €	280.00 €	200.00 €	180.00 €	160.00 €	Phone guest
102	MS	Danza	1	06/07/2023	BAND A	1,450.00 €	240.00 €	240.00 €	240.00 €	240.00 €	240.00 €	250.00 €	Phone guest
103	DR	Zizzi	12	06/09/2023	BAND B	1,200.00 €	240.00 €	200.00 €	240.00 €	200.00 €	220.00 €	100.00 €	Phone guest
104	MR	Fonseca	9	24/06/2023	BAND B	1,200.00 €	240.00 €	240.00 €	240.00 €	240.00 €	240.00 €	0.00 €	
105	MS	Meredith	16	07/09/2023	BAND D	700.00 €	120.00 €	140.00 €	140.00 €	140.00 €	100.00 €	60.00 €	Phone guest
106	MR	Rodrigo	2	09/07/2023	BAND C	900.00 €	180.00 €	180.00 €	180.00 €	180.00 €	180.00 €	0.00 €	
107	MR	Perry	18	06/06/2023	BAND D	700.00 €	120.00 €	140.00 €	140.00 €	140.00 €	140.00 €	20.00 €	Phone guest
108	MR	Gunter	9	02/07/2023	BAND B	1,200.00 €	200.00 €	180.00 €	180.00 €	180.00 €	200.00 €	260.00 €	Phone guest
109	DR	Heath	8	30/08/2023	BAND C	900.00 €	180.00 €	180.00 €	180.00 €	180.00 €	180.00 €	0.00 €	
110	MRS	Gerrard	8	21/07/2023	BAND C	900.00 €	160.00 €	160.00 €	160.00 €	160.00 €	160.00 €	100.00 €	Phone guest
111	MS	Ali	1	05/08/2023	BAND A	1,450.00 €	290.00 €	290.00 €	290.00 €	290.00 €	290.00 €	0.00 €	
112	MS	Perez	11	04/06/2023	BAND A	1,450.00 €	280.00 €	280.00 €	280.00 €	280.00 €	280.00 €	50.00 €	Phone guest

Average monthly payment				191.33 €	191.33 €	198.67 €	191.00 €	187.67 €		
Total balance outstanding									1,900.00 €	
Number of Band A holidays		6								
Cost of cheapest holiday			700.00 €							

Spreadsheet shows the first section of the completed spreadsheet and the results of the correct calculations.

a (i)	Row inserted at the top of the spreadsheet and heading – Holiday Payments for 2023	1
(ii)	Merge **and** centre cells A1 to N1 **or** H2 to L2	1
(iii)	Heading row **or** Payments cell: • shading – light colour (1) • font enhancement – bold **and** underline (1)	 1 1

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B1 b (i)	**Functions** **VLOOKUP (Holiday Price)** 1. Use of correct function =VLOOKUP( ) or =LOOKUP( ) 2. Use of correct lookup value F4 3. Use of correct table array (PRICE BANDS!A$3:B$6) / lookup vector (PRICE BANDS!A$3:A$6) 4. Use of correct column index number (2) **OR** use of correct result vector in Lookup (PRICE BANDS!B$3:B$6) *Examples:* =VLOOKUP(F4,PRICE BANDS!A$3:B$6,2,0) – accept without ,0 =LOOKUP(F4,PRICE BANDS!A$3:A$6,PRICE BANDS!B$3:B$6) Allow any other acceptable range – e.g. A1:B6 Accept without use of absolute referencing Allow named ranges	 1 1 1 1
(ii)	*Balance* **=G4-(SUM(H4:L4))** =G4- (SUM(H4:L4)) – accept use of +	 1 1
(iii)	*Notes* **=IF(M4>0,"Phone guest","")** =IF(M4>0, "Phone guest","") For the 1st mark accept it if it works and matches the screenshot in the MS wih the placement of Phone guest	 1 1
(iv)	Replicate functions and formulae for **all** other guests	1
(v)	*Average monthly payment for **all** months* =AVERAGE(H4:H33) Included for columns H, I, J, K, L	 1
(vi)	*Total balance outstanding* =SUM(M4:M33) Accept use of G4- if it has not been used for (ii)	 1

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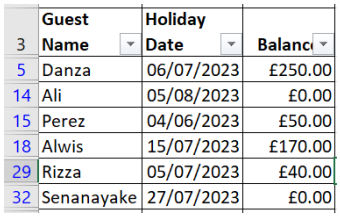
(vii)	1. *Total number of BAND A holidays* =COUNTIF(F4:F33,"BAND A") =COUNTIF (1) (F4:F33,"BAND A") (1) **2.** *Cost of the cheapest holiday* =MIN(G4:G33)	 1 1 1
(viii)	*Named range for A2:B6* on the *Price Bands* worksheet Holiday_Price_Bands	1
(ix)	*Footer* with candidate's name, candidate number and centre number added – award the mark if any of the information is included.	1
c	*Spreadsheet formatting:* 1. Currency showing € with 2dp (any **one relevant** column – G to M) – allow for € the to be before or after the amount 2. Row 3 – at least one cell wrapped to use space efficiently 3. Gridlines and row and column headers displayed when printed 4. Value view - all data visible – cell contents, column headings 5. Formula view - evidence of widening a column to display the full function/formula	 1 1 1 1 1
	Total for task B1	**25**

B2	Filtered to show only Band A holidays (1) Displaying only the Guest Name, Holiday Date and Balance (in that order) (1)  Do not penalise if there is data at the bottom of the spreadsheet	1 1
	Total for task B2	**2**

	Guest Name	Holiday Date	Balanc
5	Danza	06/07/2023	£250.00
14	Ali	05/08/2023	£0.00
15	Perez	04/06/2023	£50.00
18	Alwis	15/07/2023	£170.00
29	Rizza	05/07/2023	£40.00
32	Senanayake	27/07/2023	£0.00

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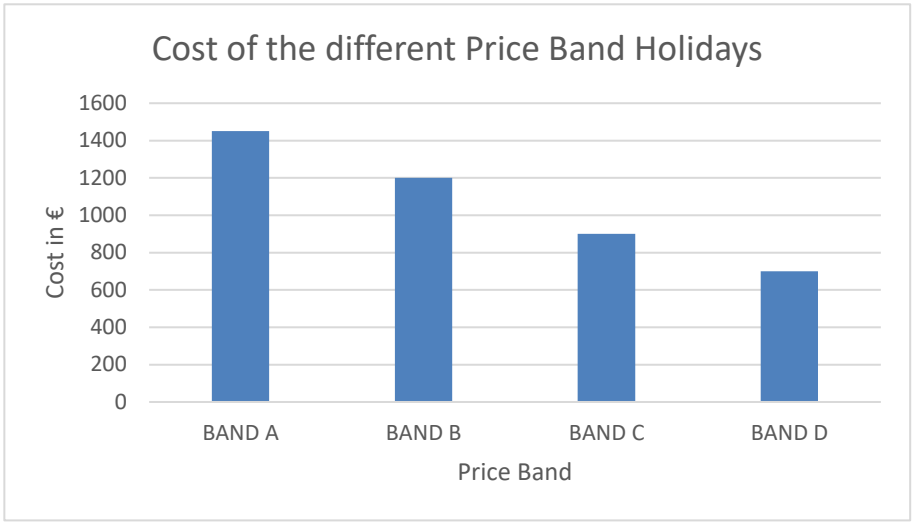
B3 a	Suitable chart that has the data from the PRICE BANDS table  1. Suitable chart with an appropriate title that refers to Price Bands, Cost **and** Holiday 2. Includes suitable labels for X **and** Y axes (X – Band, Y – Cost)	1 1
	Total for task B3a	**2**

B3 b (i)	*State what the function =PRODUCT(A1, A3, A4) does.* It multiplies (the content of) the cells together It multiplies cells A1, A3 and A4 together It multiplies the three values (in cells A1, A3 and A4) together	1
(ii)	*Give **one** reason why a named range is used in spreadsheets.* To make it easier to understand the contents of the cells Prevents errors when copying information from a cell (if the cell has complicated data) To make it easier to refer to the range in a formula	1
(iii)	*Explain **one** reason why absolute referencing is used in a spreadsheet formula.* Reduce errors when replicating (1) because cell references are fixed (1) Cell references do not change (1) so they can be copied/replicated to other cells (1)	2
	Total for Task B3b	**4**

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B4	**Word processing**	
a	*Leaflet*:	
	1. Leaflet is A4 landscape	1
	2. Logo from Task A1a inserted at the top left of the leaflet	1
	3. Three **overlapping** shapes (can be distorted) with different shades aligned to the right of the leaflet	1
	4. Heading included in a larger font than the rest of the text **and** centred	1
	5. Text entered - sans serif font, size 16	1
	6. Narrowboat image inserted **and** relevant caption added	1
	7. Footer – Rivers/canals (left), UK (centre), 2023 (right)	1
	Table:	
	8. Row 1 – merge **and** centre	1
	9. Row 1 **or** Row 2 – Coloured/shaded background **and** white text	1
	10. Date 2023 is vertically aligned	1
	11. Table has thicker outside border	1
	12. Bullets included for canal and river options	1
b	Appropriate change made to improve the leaflet	1
c (i)	*State **one** reason why your change improved the leaflet.*	
	A suitable comment on how their change has improved the design	1
(ii)	*Explain **one** advantage of using a table to present information.*	
	The information is more organised (1) so it is easier to read/understand (1)	2

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(iii)	*State **one** reason why it is important to create and manage folder structures.* Any **one** from: • Easier to find files/folders • Easier for someone else to find files/folders • Allows you to organise files/folders • Don't have loads of files in the same place	1
	Total for Task B4	**17**
	Total for paper	**100**

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