

Mark Scheme (Results)

November 2020

Pearson Edexcel International GCSE In Information and Commiuncation Technology (4IT1/02)

Paper 02: Practical Paper

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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

Task	Answer	Marks
	Section A	
A1	Graphics	
а	1. Lines or shapes (1)	1
	2. Include the company name or Lang (1) – ignore spelling	1
	Do not award the mark for line/shapes if image is not original.	
b	Image edited to:	
	1. Remove the tower from the image (1)	1
	2. Increase the size of the satellite dish (1) – must be obvious	1
	3. Top third of image cropped – see image (1)	1
	4. Lang Getaways added to the image (1) – ignore spelling and award mark if the text is anywhere on the image. Do not accept Lang.	1
	Cropped image	
	Original image.	
	Total for Task A1	6

а	Database					
	Data entry form:					
	1. Match the house	style (1) – logo posit	ion bottom	centre		1
	2 Suitable title with	dark background ar	ad white toy	+ (1) ignor	o spolling	1
	2. Suitable title with	i dark background ar	id wille text	t (1) – igiloi	e speiiirig	1
	3. Date included (1)					1
	3. Date meladed (1)					_
)	Data entry via form:					
	Field name					
	Accommodation ref	L9				
	Accommodation type	Lodge				
	Accommodation name	Quiet Waters				
	Maximum guests	6				
	Accommodation rating	Gold				
	Location	Cornwall				
	Breakfast package	Yes				
						_
	Award 2 marks for 6 corre	ect entries				2
	Award 1 mark for 3 corre	ct entries				
	Award no marks for 0, 1 c	or 2 correct entries				
	If the new record is not or		rom table vi	ew.		
	Sort alphabetical order of					
	(Cornwall down to Wiltsh	ire)				1
	Query:					
	Field: Accommodation type Maximum guests Table: Accommodation Accommodation	Accommodation name Accommodation Accommodation	Accommodation.*	Bookings.*	Number of days bod	
	Table: Accommodation Accommodation Sort: Show:	Accommodation Accommodation			Bookings	
	Table: Accommodation Accommodation Sort:	Accommodation Accommodation	Accommodation	Bookings	Bookings	
	Table: Accommodation Accommodation Sort: Show: Criteria: 'Yurt'	Accommodation Accommodation	Accommodation	Bookings	Bookings	
	Table: Accommodation Accommodation Sort: Show: Criteria: 'Yurt'	Accommodation Accommodation Cornwall*	Accommodation	Bookings	Bookings	
	Table: Accommodation Accommodation Sort: Show: Criteria: "Yurt" or:	Accommodation Accommodation Cornwall*	Accommodation	Bookings	Bookings	
	Table: Accommodation Accommodation Sort: Show: Criteria: "Yurt" or:	Accommodation Accommodation Cornwall*	Accommodation	Bookings	Bookings =3	1
	Table: Accommodation Accommodation Show: Vart' Or: Accommodation Accommodation Criteria: or: Accommodation Correct criteria: - Yurt, 3 r	Accommodation Accommodation Cornwall* all 3 correct criteria	Accommodation	Bookings	Bookings =3	1 1
	Table: Accommodation Accommodation Show: Vurt Criteria: or: Vurt, 3 r 1 & 2. Award 2 marks for Award 1 mark for	Accommodation Accommodation Cornwall* all 3 correct criteria	Accommodation — Bookings a	Bookings	Bookings =3	
	Table: Accommodation Accommodation Show: Sort: Show: Criteria: - Yurt, 3 r 1 & 2. Award 2 marks for Award 1 mark for Award no marks for	Accommodation Accommodation Cornwall all 3 correct criteria correct criteria	Accommodation — Bookings a	Bookings	Bookings =3	
	Table: Accommodation Accommodation Show: Vurt Criteria: or: Vurt, 3 r 1 & 2. Award 2 marks for Award 1 mark for	Accommodation Accommodation Cornwall all 3 correct criteria correct criteria	Accommodation — Bookings a	Bookings	Bookings =3	
	Table: Accommodation Accommodation Show: Yurt' Correct criteria: - Yurt, 3 r 1 & 2. Award 2 marks for Award 1 mark for Award no marks for Result of Query:	Accommodation Accommodation Image: Accommodation Accommodation Accommodation Accommodation Cornwall Tornwall Accommodation Accommodation Cornwall Cornwall Tornwall	- Bookings a	Bookings	Bookings =3	
	Table: Accommodation Accommodation Show: Show: Criteria: - Yurt, 3 r 1 & 2. Award 2 marks for Award 1 mark for Award no marks for Award no marks for Award no marks for Accommodation ref	Accommodation Accommodation Cornwall Accommodation Cornwall Accommodation Cornwall Accommodation Cornwall Cornwall Accommodation Cornwall Cornwall Accommodation Cornwall Cornwall Cornect criteria Cornect criteria Cornect criteria Cornect criteria Cornwall	- Bookings a	Bookings	Bookings =3	
	Table: Accommodation Accommodation Sort: Show: V V V V V V V V V V V V V V V V V V V	Accommodation Accommodation Cornwall all 3 correct criteria correct criteria or 0 or 1 correct criter Maximum guests A 2 Tr	- Bookings a	Bookings	Bookings =3	
	Table: Sort: Show: Criteria: or: 1 & 2. Award 2 marks for Award 1 mark for Award no marks for Award no marks for Accommodation ref Accommodation ref Y5 Y8	Accommodation Accommodation Cornwall all 3 correct criteria correct criteria or 0 or 1 correct crite Alaximum guests Alaximum gues	- Bookings a cria	Bookings	Bookings =3	
	Table: Accommodation Accommodation Sort: Show: V V V V V V V V V V V V V V V V V V V	Accommodation Accommodation Cornwall all 3 correct criteria correct criteria or 0 or 1 correct crite Alaximum guests Alaximum gues	- Bookings a	Bookings	Bookings =3	
	Table: Accommodation Accommodation Show: Sort: Show: Criteria: - Yurt, 3 r 1 & 2. Award 2 marks for Award 1 mark for Award no marks for Award no marks for Award no marks for Accommodation ref Accommodation ref Y5 Y8 Y2	Accommodation Accommodation Cornwall all 3 correct criteria correct criteria or 0 or 1 correct criter Anaximum guests Anaximum gue	- Bookings a	and Accom	=3 modation tables	
	Table: Sort: Show: Criteria: Or: 1 & 2. Award 2 marks for Award 1 mark for Award no marks for Result of Query: Accommodation ref Y5 Y8 Y2 3. Correct fields only	Accommodation Accommodation Cornwall all 3 correct criteria correct criteria or 0 or 1 correct criter Anaximum guests Anaximum gue	- Bookings a	and Accom	=3 modation tables	
	Table: Accommodation Accommodation Show: Sort: Show: Criteria: - Yurt, 3 r 1 & 2. Award 2 marks for Award 1 mark for Award no marks for Award no marks for Award no marks for Accommodation ref Accommodation ref Y5 Y8 Y2	Accommodation Accommodation Cornwall all 3 correct criteria correct criteria or 0 or 1 correct criter Anaximum guests Anaximum gue	- Bookings a	and Accom	=3 modation tables	1
	Table: Accommodation Sort: Show: Vart' Show: Criteria: - Yurt, 3 r 1 & 2. Award 2 marks for Award 1 mark for Award no marks for Award no marks for Award no marks for Award no marks for Accommodation ref V5 Y8 Y2 3. Correct fields only name (1)	Accommodation	- Bookings a	and Accom	=3 modation tables	1
1	Table: Sort: Show: Criteria: Or: 1 & 2. Award 2 marks for Award 1 mark for Award no marks for Result of Query: Accommodation ref Y5 Y8 Y2 3. Correct fields only	Accommodation	- Bookings a	and Accom	=3 modation tables	1

5. Accommodation name - sorted in descending order (1)

A2	Results of query:			
е				
	Member name	▼ Member ref ▼	Email +	
	Ian Pugh	PU24	pughian@chat.com	
	Sally Phillips	PH08	phillipss@virgin.net	
	Peter Perrin	PE05	peterp@talk.net	
	Matthew Parry	PA14	parrym@talk.net	
	Aled Owen	OW29	aledowen@chat.com	
	Clare Marshall	MA12	clarem@fortran.net	
	Morgan Howells	HO05	morgan21@chat.com	
	Julia Harding	HA02	julesharding@fortran.net	
	Tom Greening	GR23	greening89@fortran.net	
	Simon Edwards	ED12	sedw@chat.com	
			to e-letter, Shepherd's Hut and Caravan (1)	1
		sition - bottom	n centre (1)	1
	3. Correct 10	0 records (1)		1
	4. Shows on	ly MEMBER NA	AME, MEMBER REF and EMAIL in that order (1)	1
	5. No trunca	ation (1)		1
	6. Descendir	ng order of Acc	commodation ref – Ian Pugh down to Simon Edwards	1
			unione impara addad (4)	
		_	ravan image added (1)	1
	8. Correct sp	pelling (report t	title) and fit on one page (1) – ignore apostrophe	1
f (i)	State one field the Postcode	at would use a	format check tables - accept first response only	1
(ii)	State one field the Gender	at would use a	lookup - accept first response only	1
(iii)	Explain one proble	em that could c	occur if the 'Limit to List' had a value of No in the	
			ause a user could choose not to select from the list ed (1)	2
	A user could choo which could result		t from the list and type in anything they wanted (1)	
(iv)			ay require a logical operator sething else within the query	1
(v)	data	·	linked together with a relationship before entering	_
	To prevent duplication To reduce errors	ate records bei	ing entered	1
(vi)	Identify one foreig Accommodation r Member ref		nked tables - accept first response only	1
			Total for Task A2	26

А3	Presentation	
a (i)	Master slide edits:	
	Sans serif font for company name (1)	1
	2. Title area – dark background colour (1) – do not award if whole slide	1
	has a dark background.	
	3. Title text colour – white (1)	1
(ii)	Logo added – bottom centre (1)	1
(iii)	Footer changes on master slide:	
	Centre section – Created by and name (1)	1
	2. Right section – slide number (1)	1
	3. Footer showing on all slides apart from title slide (1)	1
b (i)	Title slide: Enhanced text – 'Follow the links to find out more.'	1
(ii)	Title slide links: Correct placement of 3 links on title slide – aligned beneath text box and above	
	logo (1)	1
	Title slide Other slides	
	LANG GETAWAYS Slide Title	
	Do you want to know what is	
	happening for future holidays? Follow the links to find out more. Image to illustrate text entered using bullet points	
	Link Link Link Link to home slide LOGO	
(iii)	Design followed for other slides:	
		_
	1. Include relevant images on all 3 slides (1) – not image of dog-house	1
	 Slides match the design (1) – for all slides present - image left, bulleted list right – images and text must match. 	1
	Information is fit for purpose (taken from Presentation text document) (1)	1
	4. Includes links to home slide (1)	1

(iv)	At least one working link is included – mark from screenshot	1
С	Handouts print – two slides per A4 sheet (2 sheets in total)	1
A3 d (i)	Give one reason why Lucia has used speaker notes	
	So that she could just use bullets and use the notes for additional information To save including all the information on the slides – would be too much	1
(ii)	Describe how one other feature of presentation software can enhance the presentation.	
	Award a mark if they have included something that enhances the presentation	
	1 mark for identifying the feature (1) then the second mark for describing how it would enhance (1)	2
	Do not accept speaker notes or hyperlinks.	
	Total for Task A3	18
	Total for SECTION A	50

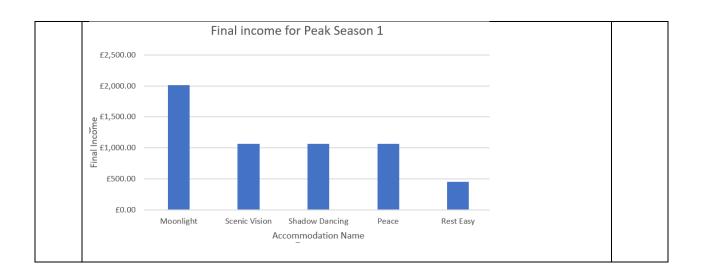
D1	Chara	ion B								
B1 :	spre	adsheets								
		Α	В	С	D	E	F	G	Н	
	1			Book	ings in 1	2019				
				Cost per	Number of	Breakfast		Discount for		
		Accommodation name	Season	night	nights	per stay	Income	early booking	Final income	
		Moonlight	Peak Season 1	£150.00			£2,240.00		ò	
		River View	Mid Season 2	£80.00	÷		£616.00		£585.20	
		Scenic Vision	Peak Season 1	£150.00			£1,120.00		£1,064.00	
		Clover Meadow	Mid season 3	£70.00			. :		ò	
	_	River's Rest	Peak Season 3	£100.00	ò	•	£1,540.00		ò	
		Edging Closer Relax a While	Mid Season 1	£100.00	÷				ò	
		Rest Easy	Low Season 1 Peak Season 1	£70.00 £150.00					ò	
	35		. can ocason i	1130.00	: 3	110.00	1400.00	E 24.00	1430.00	
	33									
	36	Total number of bookings	32							
	37	Total Hamber of bookings	52							
		A	200 44				<u>;</u>	:	i	
		l Average cost per night	190.44	1						
	_	Average cost per night	£98.44							
	39	Total income for 2019	£27,506.60				•			
	Valusides		£27,506.60 re than 2 s	ides of A		nulae p	orint — ı	no more th	nan 3	
i (i)	Valusides	Total income for 2019 es print - no mo	£27,506.60 re than 2 s top of the s	ides of A		nulae p	orint — ı	no more th	nan 3	
(i)	Valusides Row	Total income for 2019 es print - no moles of A4 inserted at the f	£27,506.60 re than 2 s top of the s	ides of A		nulae p	orint — ı	no more th	nan 3	
ii)	Valusides Row Head	es print - no modes of A4 inserted at the thing - Bookings in	£27,506.60 re than 2 s top of the s n 2019 w 1 (A1:H1	ides of A	neet					

b (i)	Functi	ons	
	VLOO	KUP	
	1.	Use of correct function =VLOOKUP() or =LOOKUP() for either Cost or Breakfast (1)	1
	2.	Use of correct lookup value (B3) for either Cost or Breakfast (1)	1
	3.	Use of correct table array (Details!A\$3:C\$11) / lookup vector (Details!A\$3:A\$11) for either Cost or Breakfast (1)	1
	4.	Use of both correct column index numbers (2 and 3) OR use of both correct result vectors in Lookup (Details!B\$3:B\$11 and Details!C\$3:C\$11) (1)	1
	-	ples: er night =VLOOKUP(B3,Details!A\$3:C\$11,2,0) allow A3:B11 fast =VLOOKUP(B3,Details!A\$3:C\$11,3,0)	
		er night =LOOKUP(B3,Details!A\$3:A\$11,Details!B\$3:B\$11) fast =LOOKUP(B3,Details!A\$3:A\$11,Details!C\$3:C\$11)	
	Accep	any other acceptable range – eg, A1:C11 t without use of absolute referencing named ranges and allow absence of final argument in VLOOKUP (,0)	
	5.	ngs made in 2019 (32): =COUNTA (B3:B34)	1
	=COUI	NTA(B3:B34) – accept any other column range – A, C - H	
	Functi	on can be in any cell between B36 and H40	

B1 b(ii)	1. F3 – Income (including breakfast) £2240.00 – allow follow through (Cost per night * Number of nights) + (Number of nights * Breakfast per stay)	1
	=(C3*D3)+(E3*D3)	
	=(C3+E3)*D3	
	OR	
	=(C3*D3)+E3 - learners may have understood the Breakfast cost to be £10.00 for the complete stay – the Income will be £2110.00	
	2. G3 – Discount for early bookings £224.00 or £211.00 =IF(F3>1300,F3*Details!\$B\$14,F3*Details!\$B\$15)	1
	=IF(F3>1300, F3*Details!\$B\$14,F3*Details!\$B\$15)	1
	Details!\$B\$14, Details!\$B\$15)*F3	
	=IF(F3<1300, F3*Details!\$B\$15,F3*Details!\$B\$14)	
	Allow the use of 10% and 5% in place of Details!B14 and Details!B15 If *F3 is missing but has been used in H3 – allow the mark	
	3. H3 – Final income £2016.00 or £1899.00 =F3-G3	1
	If the 'if' statement does not include *F3 – allow F3-(F3*G3)	
(iii)	Replicate functions and formulae for all bookings - any one column	1
(iv)	1. Average cost per night £98.44	
	=AVERAGE(C3:C34) – allow in any cell between B36 and H40	1
	2. Total income for 2019 £27,506.60 or £25,661.05 =SUM(H3:H34) – allow in any cell between B36 and H40	1
С	Spreadsheet formatting:	
	1. Currency showing £ with 2dp (any one column)	1
	2. Headings wrapped to use space efficiently – Row 2	1
	 All data visible – cell contents, column headings (if Accommodation Name has been wrapped, check cell contents – Total Number of Bookings) 	1

4. Gridlines displayed	1
Total for task B1	22

Eil+c	ered to show accom	modation for	· Doak Soaso	n – 16 rocords
1 1110	sied to snow accom	inouation for	reak Seaso	1 – 10 (600)
/ / / / ~	anlight dawn to Da	st Facul		
(IVIC	onlight down to Res	st Easy)		
Dier	alay Assammadation	nama Casa	on and Fina	incomo only
DISL	olay Accommodation	i name, seasi	on and Fina	income only:
	А	В	Н	
1	Bookin	gs in 201	9	
-	Doom	gs III 201		
2	Accommodation nan	Season 🔻	Final incon ▼	
	Moonlight	Peak Season 1	£2,016.00	
	Scenic Vision	Peak Season 1	£1,064.00	
	River's Rest	Peak Season 3	£1,386.00	
8	Mountain Trail	Peak Season 2	£864.50	
11	Meadow View	Peak Season 2	£1,638.00	
13	Wilderness	Peak Season 3	£731.50	
15	Beach Retreat	Peak Season 2	£1,235.00	
17	Free Spirit	Peak Season 3	£731.50	
19	Sheep's Clover	Peak Season 2	£1,235.00	
21	Shadow Dancing	Peak Season 1	£1,064.00	
	Silver Flame	Peak Season 3	£313.50	
	Shady Nook	Peak Season 2	,	
	Peace	Peak Season 1	£1,064.00	
	Calm	Peak Season 3	£1,045.00	
	Tranquility	Peak Season 3	£731.50	
34	Rest Easy	Peak Season 1	£456.00	
				Total for Task B2
Cha	. •			
Allo	w follow through fro	om candidate	es' totals in t	heir spreadsheet task.
		•		- correct data, clear to read,
		o legend. Pie	chart – allo	w legend but must have labels
	for mark 3.			
	2. Title – must incl	udo roforono	n to Doak So	acan 1
,	z. Huc must mul	ade reference	c to reak se	UJOH I
	3. Axes labels – Ac	commodation	n Name and	Final Income



B3	Display only accommodation name and final income							
b	A H							
	1 Bookings in 2019							
	2 Accommodation nan Tinal incon T							
	3 Moonlight £2,016.00							
	5 Scenic Vision £1,064.00 21 Shadow Dancing £1,064.00							
	28 Peace £1,064.00							
	34 Rest Easy £456.00							
	35							
	Award the mark if all rows are included rather than just the filtered results							
c(i)	Explain one advantage of using the SUM function in a spreadsheet An explanation such as:							
	To speed up the process/efficient (1) because you don't need to individually key in the cell references (1)							
	OR							
	Reduces errors (1) as you do not have to key in individual cell references (1)							
(ii)	A COUNTIF function could be used with the values for Season							
	State how the results of this function could be useful to Lucia							
	She can see how many bookings she has in each season							
(iii)	State the purpose of a chart legend							
	To identify data when there is more than one set of data							
	Total for Task B3	8						

B4	Word processing					
	1. Any of the text provided is placed in two columns (of any size) (1)	1				
	2. Use of bullets for the words 'Gold, Silver, Bronze' in accommodation section (can be anywhere on the page) (1)	1				
	3. Correct contrast for Newsletter No.1 text box – light text on a dark background OR Correct contrast for first row in table. Light text on a dark background (1)					
	Correct contrast for first row in table – light text on a dark background (1)	1				
	 4. Use of a sans-serif font for one of: Newsletter heading Accommodation heading Newsletter No.1 / August 2020 (1) 	1				
	5. Use of text wrap to wrap some of the provided text around any image (text doesn't have to be in two columns) (1)	1				
	 6. Table included that has: two columns (any number of rows) and some of the provided information First row of table merged to span two columns (1) 	1				
	o Trist fow of table mergea to spain two columns (1)	-				
	7. Newsletter heading included – must be an appropriate size for a heading (1)	1				
	 8. Include one image (can be distorted) from: Stone Cottage Narrowboat 1, 2 or 3 	1				
	Caravan or Caravan 2 (1)					
	9. Two horizontal lines included (any colour or weight) for the Newsletter heading (1)	1				
	10. Three overlapping circles (can be distorted) included (anywhere on page) that are different shades (1)	1				
	11. The Newsletter No.1 text is on top of Stone Cottage image (accept any image and does not require August 2020 text) (1)	1				
	 12. Newsletter is fit for audience and purpose, consider: Provided information is included – appropriate amount of text in page columns and 6 rows in the table Page layout: information is accessible Suitable hierarchy in layout e.g. size of images, headings and subheadings Appropriate colour scheme/shading (if B&W) Images not overly distorted (1) 	1				
	- images not overty distorted (1)					

B4 b (i)	Comment on your newsletter and how it compares to Lucia's design	
D (1)	Allow any suitable comparison (1) then a comment on how it compares (1)	2
(ii)	Lucia wants to create a letter to send to customers	
	Explain one benefit to Lucia of using mail merge to do this	
	Fewer errors/saves time (1) because the letter is only created once and sent to everyone (1)	2
(iii)	Give one reason why standard conventions, such as salutation, are used when writing letters	
	Any one from:	
	consistent layout	1
	more formal/standard	
	ensure all information is included	
(iv)	State one reason why it is important to use sensible filenames when saving files	
	Any one from:	
	easier to find the file later	1
	easier for someone else to find the file	
	Total for Task B4	18
	Total for SECTION B	50
	Total for paper	100