



Mark Scheme (Results)

November 2020

Pearson Edexcel International GCSE In
Information and Communication
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	
a	1. Lines or shapes (1) 2. Include the company name or Lang (1) – ignore spelling Do not award the mark for line/shapes if image is not original.	1 1
b	<p><i>Image edited to:</i></p> 1. Remove the tower from the image (1) 2. Increase the size of the satellite dish (1) – must be obvious 3. Top third of image cropped – see image (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. <p>Cropped image</p>  <p>Original image.</p> 	1 1 1 1
	Total for Task A1	6

A2	Database																																																													
a	<p><i>Data entry form:</i></p> <ol style="list-style-type: none"> Match the house style (1) – logo position bottom centre Suitable title with dark background and white text (1) – ignore spelling Date included (1) 	<p>1</p> <p>1</p> <p>1</p>																																																												
b	<p><i>Data entry via form:</i></p> <table border="1" data-bbox="261 555 798 851"> <thead> <tr> <th>Field name</th> <th></th> </tr> </thead> <tbody> <tr> <td>Accommodation ref</td> <td>L9</td> </tr> <tr> <td>Accommodation type</td> <td>Lodge</td> </tr> <tr> <td>Accommodation name</td> <td>Quiet Waters</td> </tr> <tr> <td>Maximum guests</td> <td>6</td> </tr> <tr> <td>Accommodation rating</td> <td>Gold</td> </tr> <tr> <td>Location</td> <td>Cornwall</td> </tr> <tr> <td>Breakfast package</td> <td>Yes</td> </tr> </tbody> </table> <p>Award 2 marks for 6 correct entries Award 1 mark for 3 correct entries Award no marks for 0, 1 or 2 correct entries</p> <p>If the new record is not on the form – award from table view.</p>	Field name		Accommodation ref	L9	Accommodation type	Lodge	Accommodation name	Quiet Waters	Maximum guests	6	Accommodation rating	Gold	Location	Cornwall	Breakfast package	Yes	<p>2</p>																																												
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c	<p>Sort alphabetical order of Location (1) (Cornwall down to Wiltshire)</p>	<p>1</p>																																																												
d	<p>Query:</p> <table border="1" data-bbox="261 1249 1246 1384"> <thead> <tr> <th>Field:</th> <th>Accommodation type</th> <th>Maximum guests</th> <th>Accommodation name</th> <th>Location</th> <th>Accommodation.*</th> <th>Bookings.*</th> <th>Number of days booked</th> </tr> </thead> <tbody> <tr> <td>Table:</td> <td>Accommodation</td> <td>Accommodation</td> <td>Accommodation</td> <td>Accommodation</td> <td>Accommodation</td> <td>Bookings</td> <td>Bookings</td> </tr> <tr> <td>Sort:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Show:</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Criteria:</td> <td>"Yurt"</td> <td></td> <td></td> <td>"Cornwall"</td> <td></td> <td></td> <td>=3</td> </tr> <tr> <td>or:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Correct criteria: - Yurt, 3 nights, Cornwall</p> <p>1 & 2. Award 2 marks for all 3 correct criteria – Bookings and Accommodation tables Award 1 mark for 2 correct criteria Award no marks for 0 or 1 correct criteria</p> <p>Result of Query:</p> <table border="1" data-bbox="261 1697 1094 1845"> <thead> <tr> <th>Accommodation ref</th> <th>Maximum guests</th> <th>Accommodation name</th> </tr> </thead> <tbody> <tr> <td>Y5</td> <td>2</td> <td>Tranquility</td> </tr> <tr> <td>Y8</td> <td>2</td> <td>Rest Easy</td> </tr> <tr> <td>Y2</td> <td>6</td> <td>Peace</td> </tr> </tbody> </table> <p>3. Correct fields only – Accommodation ref, Maximum guests, Accommodation name (1)</p> <p>4. Fields in correct order (1)</p>	Field:	Accommodation type	Maximum guests	Accommodation name	Location	Accommodation.*	Bookings.*	Number of days booked	Table:	Accommodation	Accommodation	Accommodation	Accommodation	Accommodation	Bookings	Bookings	Sort:								Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Criteria:	"Yurt"			"Cornwall"			=3	or:								Accommodation ref	Maximum guests	Accommodation name	Y5	2	Tranquility	Y8	2	Rest Easy	Y2	6	Peace	<p>1</p> <p>1</p> <p>1</p>
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Y2	6	Peace																																																												

	5. Accommodation name - sorted in descending order (1)	
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<p>A2 e</p>	<p><i>Results of query:</i></p> <table border="1" data-bbox="261 170 916 488"> <thead> <tr> <th>Member name</th> <th>Member ref</th> <th>Email</th> </tr> </thead> <tbody> <tr><td>Ian Pugh</td><td>PU24</td><td>pughian@chat.com</td></tr> <tr><td>Sally Phillips</td><td>PH08</td><td>phillipss@virgin.net</td></tr> <tr><td>Peter Perrin</td><td>PE05</td><td>peterp@talk.net</td></tr> <tr><td>Matthew Parry</td><td>PA14</td><td>parrym@talk.net</td></tr> <tr><td>Aled Owen</td><td>OW29</td><td>aledowen@chat.com</td></tr> <tr><td>Clare Marshall</td><td>MA12</td><td>clarem@fortran.net</td></tr> <tr><td>Morgan Howells</td><td>HO05</td><td>morgan21@chat.com</td></tr> <tr><td>Julia Harding</td><td>HA02</td><td>julesharding@fortran.net</td></tr> <tr><td>Tom Greening</td><td>GR23</td><td>greening89@fortran.net</td></tr> <tr><td>Simon Edwards</td><td>ED12</td><td>sedw@chat.com</td></tr> </tbody> </table> <ol style="list-style-type: none"> 1. Suitable title - reference to e-letter, Shepherd's Hut and Caravan (1) 2. Logo - position - bottom centre (1) 3. Correct 10 records (1) 4. Shows only MEMBER NAME, MEMBER REF and EMAIL in that order (1) 5. No truncation (1) 6. Descending order of Accommodation ref – Ian Pugh down to Simon Edwards (1) 7. Caravan 2 or original Caravan image added (1) 8. Correct spelling (report title) and fit on one page (1) – ignore apostrophe 	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	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
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f (i)	<p><i>State one field that would use a format check tables</i> - accept first response only Postcode</p>	<p>1</p>																																	
(ii)	<p><i>State one field that would use a lookup</i> - accept first response only Gender</p>	<p>1</p>																																	
(iii)	<p><i>Explain one problem that could occur if the 'Limit to List' had a value of No in the Lookup property.</i> Errors could be included (1) because a user could choose not to select from the list and type in anything they wanted (1)</p> <p>A user could choose not to select from the list and type in anything they wanted (1) which could result in errors (1)</p>	<p>2</p>																																	
(iv)	<p><i>State the reason why a query may require a logical operator</i> To make a comparison with something else within the query</p>	<p>1</p>																																	
(v)	<p><i>Give one reason why tables are linked together with a relationship before entering data</i> To prevent duplicate records being entered To reduce errors</p>	<p>1</p>																																	
(vi)	<p><i>Identify one foreign key in the linked tables</i> - accept first response only Accommodation ref Member ref</p>	<p>1</p>																																	
Total for Task A2		26																																	

A3	Presentation	
a (i)	<p><i>Master slide edits:</i></p> <ol style="list-style-type: none"> 1. Sans serif font for company name (1) 2. Title area – dark background colour (1) – do not award if whole slide has a dark background. 3. Title text colour – white (1) 	<p>1</p> <p>1</p> <p>1</p>
(ii)	Logo added – bottom centre (1)	1
(iii)	<p><i>Footer changes on master slide:</i></p> <ol style="list-style-type: none"> 1. Centre section – Created by and name (1) 2. Right section – slide number (1) 3. Footer showing on all slides apart from title slide (1) 	<p>1</p> <p>1</p> <p>1</p>
b (i)	<p><i>Title slide:</i> Enhanced text – ‘Follow the links to find out more.’</p>	1
(ii)	<p><i>Title slide links:</i> Correct placement of 3 links on title slide – aligned beneath text box and above logo (1)</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>Title slide</p> <div style="border: 1px solid black; padding: 10px; width: 200px;"> <p>LANG GETAWAYS</p> <p>Do you want to know what is happening for future holidays?</p> <p>Follow the links to find out more.</p> <p style="text-align: center;">Link Link Link</p> <p style="text-align: center;">LOGO</p> </div> </div> <div style="text-align: center;"> <p>Other slides</p> <div style="border: 1px solid black; padding: 10px; width: 200px;"> <p>Slide Title</p> <div style="display: flex; justify-content: space-around; margin: 10px 0;"> <div style="border: 1px solid gray; background-color: #ccc; padding: 5px; width: 60px;">Image to illustrate text</div> <div style="border: 1px solid gray; background-color: #ccc; padding: 5px; width: 60px;">Slide text entered using bullet points</div> </div> <p style="text-align: center;">Link to home slide LOGO</p> </div> </div> </div>	1
(iii)	<p><i>Design followed for other slides:</i></p> <ol style="list-style-type: none"> 1. Include relevant images on all 3 slides (1) – not image of dog-house 2. Slides match the design (1) – for all slides present - image left, bulleted list right – images and text must match. 3. Information is fit for purpose (taken from Presentation text document) (1) 4. Includes links to home slide (1) 	<p>1</p> <p>1</p> <p>1</p> <p>1</p>

(iv)	At least one working link is included – mark from screenshot	1
c	Handouts print – two slides per A4 sheet (2 sheets in total)	1
A3 d (i)	<p><i>Give one reason why Lucia has used speaker notes</i></p> <p>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</p>	1
(ii)	<p><i>Describe how one other feature of presentation software can enhance the presentation.</i></p> <p>Award a mark if they have included something that enhances the presentation</p> <p>1 mark for identifying the feature (1) then the second mark for describing how it would enhance (1)</p> <p>Do not accept speaker notes or hyperlinks.</p>	2
	Total for Task A3	18
	Total for SECTION A	50

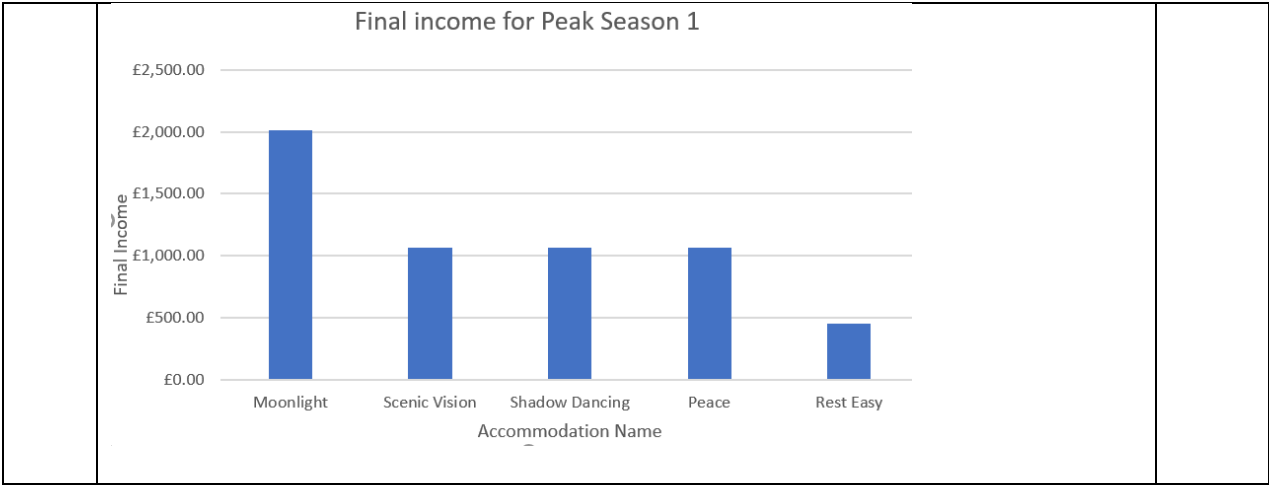
Section B																																																																																																																																																										
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(ii)	Merge and centre row 1 (A1:H1)	1																																																																																																																																																								
(iii)	Formatting – font size - 18 , font style – serif , font enhancement – bold	1																																																																																																																																																								
(iv)	Gridlines to show double border for A1:H34 Allow if all cells have a double border	1																																																																																																																																																								

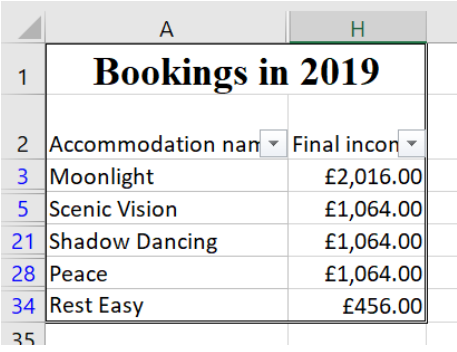
b (i)	<p>Functions VLOOKUP</p> <ol style="list-style-type: none"> 1. Use of correct function =VLOOKUP() or =LOOKUP() for either Cost or Breakfast (1) 2. Use of correct lookup value (B3) for either Cost or Breakfast (1) 3. Use of correct table array (Details!A\$3:C\$11) / lookup vector (Details!A\$3:A\$11) for either Cost or Breakfast (1) 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) <p><i>Examples:</i> Cost per night =VLOOKUP(B3,Details!A\$3:C\$11,2,0) allow A3:B11 Breakfast =VLOOKUP(B3,Details!A\$3:C\$11,3,0)</p> <p>Cost per night =LOOKUP(B3,Details!A\$3:A\$11,Details!B\$3:B\$11) Breakfast =LOOKUP(B3,Details!A\$3:A\$11,Details!C\$3:C\$11)</p> <p>Allow any other acceptable range – eg, A1:C11 Accept without use of absolute referencing Allow named ranges and allow absence of final argument in VLOOKUP (,0)</p> <hr/> <p><i>Bookings made in 2019 (32):</i></p> <ol style="list-style-type: none"> 5. =COUNTA 6. (B3:B34) <p>=COUNTA(B3:B34) – accept any other column range – A, C - H</p> <p>Function can be in any cell between B36 and H40</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
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<p>B1 b(ii)</p>	<p>1. <i>F3 – Income (including breakfast) £2240.00</i> – allow follow through (Cost per night * Number of nights) + (Number of nights * Breakfast per stay)</p> <p>=$(C3 * D3) + (E3 * D3)$ =$(C3 + E3) * D3$</p> <p>OR</p> <p>=$(C3 * D3) + E3$ - learners may have understood the Breakfast cost to be £10.00 for the complete stay – the Income will be £2110.00</p> <hr/> <p>2. <i>G3 – Discount for early bookings £224.00 or £211.00</i> =$IF(F3 > 1300, F3 * Details!\$B\$14, F3 * Details!\$B\$15)$</p> <p>=$IF(F3 > 1300,$ $F3 * Details!\$B\$14, F3 * Details!\$B\$15)$</p> <p>$Details!\$B\$14, Details!\$B\$15) * F3$</p> <p>=$IF(F3 < 1300, F3 * Details!\$B\$15, F3 * Details!\$B\$14)$</p> <p>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</p> <hr/> <p>3. <i>H3 – Final income £2016.00 or £1899.00</i> =F3-G3</p> <p>If the 'if' statement does not include *F3 – allow $F3 - (F3 * G3)$</p>	<p>1</p> <p>1</p> <p>1</p>
(iii)	Replicate functions and formulae for all bookings - any one column	1
(iv)	<p>1. <i>Average cost per night £98.44</i> =$AVERAGE(C3:C34)$ – allow in any cell between B36 and H40</p> <p>2. <i>Total income for 2019 £27,506.60 or £25,661.05</i> =$SUM(H3:H34)$ – allow in any cell between B36 and H40</p>	<p>1</p> <p>1</p>
c	<p><i>Spreadsheet formatting:</i></p> <p>1. Currency showing £ with 2dp (any one column)</p> <p>2. Headings wrapped to use space efficiently – Row 2</p> <p>3. All data visible – cell contents, column headings (if Accommodation Name has been wrapped, check cell contents – Total Number of Bookings)</p>	<p>1</p> <p>1</p> <p>1</p>

	4. Gridlines displayed	1
	Total for task B1	22

B2 a(i)	Filtered to show accommodation for Peak Season – 16 records (Moonlight down to Rest Easy)	1																																																																												
(ii)	Display Accommodation name, Season and Final income only: <table border="1" data-bbox="258 609 912 1361"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>1</td> <td colspan="3" style="text-align: center;">Bookings in 2019</td> </tr> <tr> <td>2</td> <td>Accommodation name</td> <td>Season</td> <td>Final income</td> </tr> <tr> <td>3</td> <td>Moonlight</td> <td>Peak Season 1</td> <td>£2,016.00</td> </tr> <tr> <td>5</td> <td>Scenic Vision</td> <td>Peak Season 1</td> <td>£1,064.00</td> </tr> <tr> <td>7</td> <td>River's Rest</td> <td>Peak Season 3</td> <td>£1,386.00</td> </tr> <tr> <td>8</td> <td>Mountain Trail</td> <td>Peak Season 2</td> <td>£864.50</td> </tr> <tr> <td>11</td> <td>Meadow View</td> <td>Peak Season 2</td> <td>£1,638.00</td> </tr> <tr> <td>13</td> <td>Wilderness</td> <td>Peak Season 3</td> <td>£731.50</td> </tr> <tr> <td>15</td> <td>Beach Retreat</td> <td>Peak Season 2</td> <td>£1,235.00</td> </tr> <tr> <td>17</td> <td>Free Spirit</td> <td>Peak Season 3</td> <td>£731.50</td> </tr> <tr> <td>19</td> <td>Sheep's Clover</td> <td>Peak Season 2</td> <td>£1,235.00</td> </tr> <tr> <td>21</td> <td>Shadow Dancing</td> <td>Peak Season 1</td> <td>£1,064.00</td> </tr> <tr> <td>22</td> <td>Silver Flame</td> <td>Peak Season 3</td> <td>£313.50</td> </tr> <tr> <td>25</td> <td>Shady Nook</td> <td>Peak Season 2</td> <td>£1,638.00</td> </tr> <tr> <td>28</td> <td>Peace</td> <td>Peak Season 1</td> <td>£1,064.00</td> </tr> <tr> <td>29</td> <td>Calm</td> <td>Peak Season 3</td> <td>£1,045.00</td> </tr> <tr> <td>31</td> <td>Tranquility</td> <td>Peak Season 3</td> <td>£731.50</td> </tr> <tr> <td>34</td> <td>Rest Easy</td> <td>Peak Season 1</td> <td>£456.00</td> </tr> </tbody> </table>		A	B	H	1	Bookings in 2019			2	Accommodation name	Season	Final income	3	Moonlight	Peak Season 1	£2,016.00	5	Scenic Vision	Peak Season 1	£1,064.00	7	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	22	Silver Flame	Peak Season 3	£313.50	25	Shady Nook	Peak Season 2	£1,638.00	28	Peace	Peak Season 1	£1,064.00	29	Calm	Peak Season 3	£1,045.00	31	Tranquility	Peak Season 3	£731.50	34	Rest Easy	Peak Season 1	£456.00	1
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	Total for Task B2	2																																																																												
B3 a	<p><i>Chart</i></p> <p>Allow follow through from candidates' totals in their spreadsheet task.</p> <ol style="list-style-type: none"> Suitable chart that is fit for purpose (bar) - correct data, clear to read, no extra data, no legend. Pie chart – allow legend but must have labels for mark 3. Title – must include reference to Peak Season 1 Axes labels – Accommodation Name and Final Income 	<p>1</p> <p>1</p> <p>1</p>																																																																												



B3 b	Display only accommodation name and final income  <p>Award the mark if all rows are included rather than just the filtered results</p>	1
c(i)	<p><i>Explain one advantage of using the SUM function in a spreadsheet</i></p> <p>An explanation such as:</p> <p>To speed up the process/efficient (1) because you don't need to individually key in the cell references (1)</p> <p>OR</p> <p>Reduces errors (1) as you do not have to key in individual cell references (1)</p>	2
(ii)	<p><i>A COUNTIF function could be used with the values for Season</i></p> <p><i>State how the results of this function could be useful to Lucia</i></p> <p>She can see how many bookings she has in each season</p>	1
(iii)	<p><i>State the purpose of a chart legend</i></p> <p>To identify data when there is more than one set of data</p>	1
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 <i>Newsletter No.1</i> text box – light text on a dark background OR 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
	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 ● Caravan or Caravan 2 (1)	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 sub-headings ● Appropriate colour scheme/shading (if B&W) ● Images not overly distorted (1)	1

B4 b (i)	<i>Comment on your newsletter and how it compares to Lucia's design</i> Allow any suitable comparison (1) then a comment on how it compares (1)	2
(ii)	<i>Lucia wants to create a letter to send to customers</i> <i>Explain one benefit to Lucia of using mail merge to do this</i> Fewer errors/saves time (1) because the letter is only created once and sent to everyone (1)	2
(iii)	<i>Give one reason why standard conventions, such as salutation, are used when writing letters</i> Any one from: <ul style="list-style-type: none"> • consistent layout • more formal/standard • ensure all information is included 	1
(iv)	<i>State one reason why it is important to use sensible filenames when saving files</i> Any one from: <ul style="list-style-type: none"> • easier to find the file later • easier for someone else to find the file 	1
	Total for Task B4	18
	Total for SECTION B	50
	Total for paper	100