Mark Scheme (Results)

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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 |  |
| a | 1. Lines or shapes (1) <br> 2. Include the company name or Lang (1) - ignore spelling Do not award the mark for line/shapes if image is not original. | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ |
| b | Image edited to: <br> 1. Remove the tower from the image (1) <br> 2. Increase the size of the satellite dish (1) - must be obvious <br> 3. Top third of image cropped - see image (1) <br> 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. <br> Cropped image <br> Original image. | 1 1 1 1 |
|  | Total for Task A1 | 6 |

\begin{tabular}{|c|c|c|}
\hline A2 \& Database \& \\
\hline a \& \begin{tabular}{l}
Data entry form: \\
1. Match the house style (1) - logo position bottom centre \\
2. Suitable title with dark background and white text (1) - ignore spelling \\
3. Date included (1)
\end{tabular} \& 1
1
1 \\
\hline b \& \begin{tabular}{l}
Data entry via form: \\
Award 2 marks for 6 correct entries \\
Award 1 mark for 3 correct entries \\
Award no marks for 0,1 or 2 correct entries \\
If the new record is not on the form - award from table view.
\end{tabular} \& 2 \\
\hline c \& Sort alphabetical order of Location (1) (Cornwall down to Wiltshire) \& 1 \\
\hline d \& \begin{tabular}{l}
Query: \\
Correct criteria: - Yurt, 3 nights, Cornwall \\
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 \\
Result of Query: \\
3. Correct fields only - Accommodation ref, Maximum guests, Accommodation name (1) \\
4. Fields in correct order (1)
\end{tabular} \& 1
1

1
1 <br>
\hline
\end{tabular}



| A3 | Presentation |  |
| :---: | :---: | :---: |
| a (i) | Master slide edits: <br> 1. Sans serif font for company name (1) <br> 2. Title area - dark background colour (1) - do not award if whole slide has a dark background. <br> 3. Title text colour - white (1) | 1 1 1 |
| (ii) | Logo added - bottom centre (1) | 1 |
| (iii) | Footer changes on master slide: <br> 1. Centre section - Created by and name (1) <br> 2. Right section - slide number (1) <br> 3. Footer showing on all slides apart from title slide (1) | 1 1 1 |
| b (i) | Title slide: <br> Enhanced text - 'Follow the links to find out more.' | 1 |
| (ii) | Title slide links: <br> Correct placement of 3 links on title slide - aligned beneath text box and above logo (1) | 1 |
| (iii) | Design followed for other slides: <br> 1. Include relevant images on all 3 slides (1) - not image of dog-house <br> 2. Slides match the design (1) - for all slides present - image left, bulleted list right - images and text must match. <br> 3. Information is fit for purpose (taken from Presentation text document) (1) <br> 4. Includes links to home slide (1) | 1 1 1 1 1 |


| (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 <br> d (i) | Give one reason why Lucia has used speaker notes <br> So that she could just use bullets and use the notes for additional information <br> 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 <br> presentation. <br> Award a mark if they have included something that enhances the presentation <br> 1 mark for identifying the feature (1) then the second mark for describing how <br> it would enhance (1) <br> Do not accept speaker notes or hyperlinks. | 2 |
|  | Total for SECTION A | $\mathbf{5 0}$ |
|  |  | $\mathbf{l}$ |



| b (i) | Functions <br> VLOOKUP <br> 1. Use of correct function =VLOOKUP( ) or =LOOKUP( ) for either Cost or Breakfast (1) <br> 2. Use of correct lookup value (B3) for either Cost or Breakfast (1) <br> 3. Use of correct table array (Details!A\$3:C\$11) / lookup vector (Details! $A \$ 3: A \$ 11$ ) for either Cost or Breakfast (1) <br> 4. Use of both correct column index numbers (2 and 3) OR use of both correct result vectors in Lookup (Details! $\mathrm{B} \$ 3: \mathrm{B} \$ 11$ and Details! $C \$ 3: C \$ 11$ ) (1) <br> Examples: <br> Cost per night $=$ VLOOKUP(B3,Details!A\$3:C $\$ 11,2,0$ ) allow A3:B11 <br> Breakfast $=$ VLOOKUP(B3,Details!A\$3:C\$11,3,0) <br> Cost per night =LOOKUP(B3,Details!A\$3:A\$11,Details! $\mathrm{B} \$ 3: B \$ 11$ ) <br> Breakfast =LOOKUP(B3,Details!A\$3:A\$11,Details!C\$3:C\$11) <br> Allow any other acceptable range - eg, A1:C11 <br> Accept without use of absolute referencing <br> Allow named ranges and allow absence of final argument in VLOOKUP (, 0 ) <br> Bookings made in 2019 (32): <br> 5. =COUNTA <br> 6. (B3:B34) <br> $=$ COUNTA(B3:B34) - accept any other column range $-\mathrm{A}, \mathrm{C}-\mathrm{H}$ <br> Function can be in any cell between B36 and H40 |
| :---: | :---: |


| $\begin{aligned} & \hline \text { B1 } \\ & \text { b(ii) } \end{aligned}$ | 1. F3 - Income (including breakfast) $\mathbf{£ 2 2 4 0 . 0 0}$ - allow follow through (Cost per night * Number of nights) + (Number of nights * Breakfast per stay) $\begin{aligned} & =(\mathrm{C} 3 * \mathrm{D} 3)+(\mathrm{E3} * \mathrm{D} 3) \\ & =(\mathrm{C} 3+\mathrm{E} 3) * \mathrm{D} 3 \end{aligned}$ <br> OR <br> $=($ C3*D3)+E3 - learners may have understood the Breakfast cost to be $£ 10.00$ for the complete stay - the Income will be $\mathbf{£ 2 1 1 0 . 0 0}$ <br> 2. G3-Discount for early bookings $\mathbf{£ 2 2 4 . 0 0}$ or $\mathbf{£ 2 1 1 . 0 0}$ $=\mid F(F 3>1300, F 3 *$ Details!\$B\$14,F3*Details!\$B\$15) $=1 F(F 3>1300,$ <br> F3*Details!\$B\$14,F3*Details!\$B\$15) <br> Details!\$B\$14, Details!\$B\$15)*F3 <br> $=\mid F(F 3<1300$, F3*Details!\$B\$15,F3*Details!\$B\$14) <br> Allow the use of $10 \%$ and 5\% in place of Details!B14 and Details!B15 If * F 3 is missing but has been used in H 3 - allow the mark <br> 3. H3-Final income $\mathbf{£ 2 0 1 6 . 0 0}$ or $\mathbf{£ 1 8 9 9 . 0 0}$ =F3-G3 <br> If the 'if' statement does not include *F3 - allow F3-(F3*G3) | 1 |
| :---: | :---: | :---: |
| (iii) | Replicate functions and formulae for all bookings - any one column | 1 |
| (iv) | 1. Average cost per night $\mathbf{£ 9 8 . 4 4}$ <br> =AVERAGE(C3:C34) - allow in any cell between B36 and H40 <br> 2. Total income for $2019 \mathbf{£ 2 7 , 5 0 6 . 6 0}$ or $\mathbf{£ 2 5 , 6 6 1 . 0 5}$ <br> $=S U M(H 3: H 34)$ - allow in any cell between B36 and H40 | 1 |
| c | Spreadsheet formatting: <br> 1. Currency showing $£$ with 2 dp (any one column) <br> 2. Headings wrapped to use space efficiently - Row 2 <br> 3. All data visible - cell contents, column headings (if Accommodation Name has been wrapped, check cell contents - Total Number of Bookings) | 1 1 |


|  | 4. Gridlines displayed | 1 |
| :--- | ---: | :---: |
|  |  | Total for task B1 |


| $\begin{aligned} & \text { B2 } \\ & \text { a(i) } \end{aligned}$ | Filtered to show accommodation for Peak Season - 16 records <br> (Moonlight down to Rest Easy) |  |  |  | 1 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| (ii) | Display Accommodation name, Season and Final income only: |  |  |  | 1 |
|  | 4 A <br>  Bookings in 2019 |  |  |  |  |
|  |  |  |  |  |  |
|  | 2 | Accommodation nan | Season $\quad 7$ | Final incon - |  |
|  | 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 |  |
|  |  |  |  | Total for Task B2 | 2 |
| B3 | Cha |  |  |  |  |
| a | Allo | w follow through fro | m candidate | s' totals in their spreadsheet task. | 1 |
|  |  | 1. Suitable chart th no extra data, no for mark 3. | at is fit for pur legend. Pie | urpose (bar) - correct data, clear to read, chart - allow legend but must have labels | 1 |
|  |  | 2. Title - must inclu | ude reference | to Peak Season 1 | 1 |
|  |  | 3. Axes labels - Acco | commodation | Name and Final Income |  |



| $\begin{aligned} & \hline \text { B3 } \\ & \text { b } \end{aligned}$ | Display only accommodation name and final income <br> Award the mark if all rows are included rather than just the filtered results | 1 |
| :---: | :---: | :---: |
| c(i) | Explain one advantage of using the SUM function in a spreadsheet An explanation such as: <br> To speed up the process/efficient (1) because you don't need to individually key in the cell references (1) <br> OR <br> Reduces errors (1) as you do not have to key in individual cell references (1) | 2 |
| (ii) | A COUNTIF function could be used with the values for Season State how the results of this function could be useful to Lucia <br> She can see how many bookings she has in each season | 1 |
| (iii) | State the purpose of a chart legend <br> To identify data when there is more than one set of data | 1 |
|  | Total for Task B3 | 8 |

1. Any of the text provided is placed in two columns (of any size) (1)
2. Use of bullets for the words 'Gold, Silver, Bronze' in accommodation section (can be anywhere on the page) (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)
4. Use of a sans-serif font for one of:

- Newsletter heading
- Accommodation heading
- Newsletter No. 1 / August 2020 (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)
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)

7. Newsletter heading included - must be an appropriate size for a heading (1)
8. Include one image (can be distorted) from:

- Stone Cottage
- Narrowboat 1, 2 or 3
- Caravan or Caravan 2 (1)

9. Two horizontal lines included (any colour or weight) for the Newsletter heading (1)
10. Three overlapping circles (can be distorted) included (anywhere on page) that are different shades (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)
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)

| $\begin{aligned} & \text { B4 } \\ & \text { b (i) } \end{aligned}$ | Comment on your newsletter and how it compares to Lucia's design <br> 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 <br> Explain one benefit to Lucia of using mail merge to do this <br> 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 <br> Any one from: <br> - consistent layout <br> - more formal/standard <br> - ensure all information is included | 1 |
| (iv) | State one reason why it is important to use sensible filenames when saving files <br> Any one from: <br> - easier to find the file later <br> - easier for someone else to find the file | 1 |
|  | Total for Task B4 | 18 |
|  | Total for SECTION B | 50 |
|  | Total for paper | 100 |

