



Mark Scheme

Summer 2022 (Results)

Pearson Edexcel International GCSE In
Information and Communication Technology (ICT)

(4IT1) Paper 02: Practical Paper

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Summer 2022

Question Paper Log Number P71376A

Publications Code 4IT1_02_2206_MS

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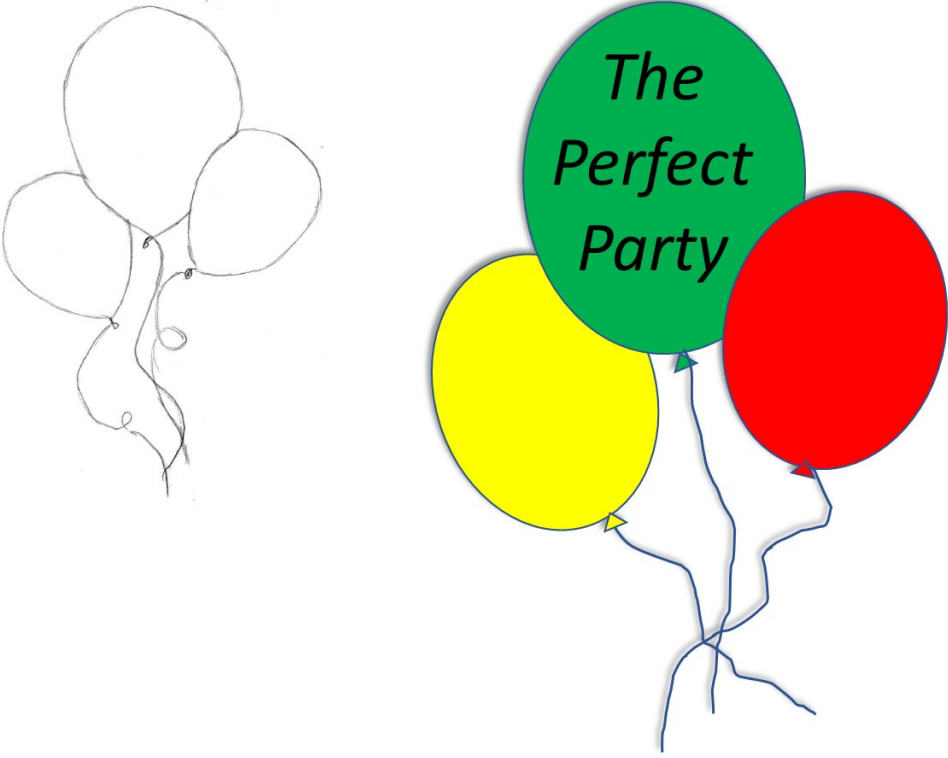
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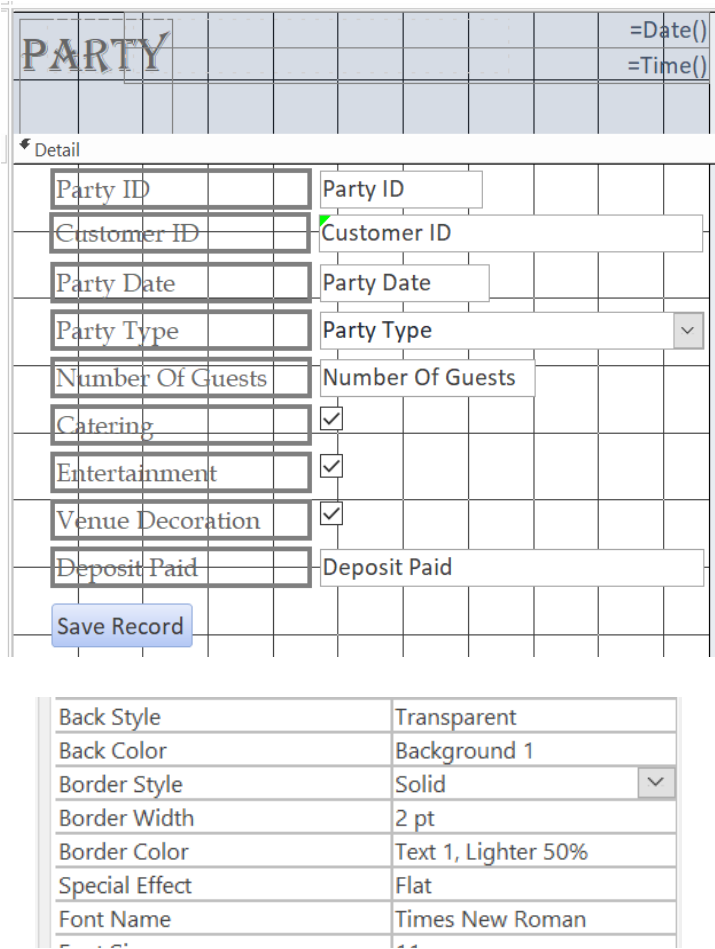
General Marking Guidance

- 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.

4IT1 02 – 2206 (Party Planning)

Task	Answer	Marks
A1	TASK A1 and LOGO	
a	<i>Identify two weaknesses of the existing logo.</i> - the image is pixelated - the text is distorted - there is not enough contrast between the text and image colours (the font colours make it) hard to read - The image is not clear Accept any other appropriate response Do not accept generic responses that do not relate specifically to the logo	2
b	<i>Logo created using the given sketch:</i> - three balloon shapes (1) - at least two different coloured balloons (1) - at least one balloon in front of another (1) - a reflection on OR a shadow behind, at least one balloon (1) - curly/curved lines (to represent string) (1) - the company name is fit for purpose (appropriate font, colour, size, and position, spelt correctly) (1) – The Perfect Party or THE PERFECT PARTY	6

		
c	<i>Give two features of bitmap images.</i> • Made up of tiny dots called pixels/made up of individual pixels • Each pixel can be edited • Different colour modes – e.g. RGB, CMYK Allow drawbacks such as: • Bitmap images have a large file size/ takes up more storage space • Bitmap images are pixelated <u>when enlarged</u> Accept any other appropriate response	2
Total for Task A1 and Logo		10

A2	TASK A2 – database screenshots	
a	Data entry form:  1. Title and field headings in a serif font (1) 2. Field headings have a 2pt border (1) – need to see the properties. Accept if they show the line as 2pt. Do not accept gridlines. 3. Includes an automated date and time (1) 4. Save record button included (1)	4

b

Query:

Field:	Party Date	Party Type	Number Of Guests	Catering	Entertainment	Venue Decoration	Deposit Paid
Table:	PARTY TABLE	PARTY TABLE	PARTY TABLE	PARTY TABLE	PARTY TABLE	PARTY TABLE	PARTY TABLE
Sort:							
Show:	☒	☒	☒	☒	☒	☒	☒
Criteria:	Like "***/**/2024"		>50				>0
or:							

Correct criteria: - booked for 2024, more than 50 guests, deposit paid

Like "***/**/2024"

*2024

>=#01/01/2024# and <= #31/12/2024#

>#31/12/2023# and <#01/01/2025#

between #01/01/2024# and #31/12/2024#

>50 >=49 for the Number of Guests

>0 >=1 for Deposit Paid (allow Yes/True)

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

Result of Query:

Party Type ▾	Party Date ▾	Customer ID ▾	Number Of Guests ▾
Religious Festival	10/06/2024	GA1006	250
Religious Festival	12/01/2024	HA1201	150
Anniversary	26/04/2024	KH2604	80
Birthday	12/02/2024	JA1202	60

3. Correct fields **only** (in any order) – Party Type, Party Date, Customer ID and Number of Guests (1)

4. Fields in correct order – Party Type, Party Date, Customer ID and Number of Guests (1)

5. Number of guests – sorted in descending order (1)

1

1

5

A2 C	<i>Results of query:</i>																																																
	<table> <tr> <th>Customer ID ▾</th><th>Party Type ▾</th><th>Party Date ▾</th></tr> <tr><td>HA1201</td><td>Religious Festival</td><td>12/01/2024</td></tr> <tr><td>LA1002</td><td>Birthday</td><td>10/02/2024</td></tr> <tr><td>KH2604</td><td>Anniversary</td><td>26/04/2024</td></tr> <tr><td>RI2205</td><td>Birthday</td><td>22/05/2024</td></tr> <tr><td>GA1006</td><td>Religious Festival</td><td>10/06/2024</td></tr> <tr><td>CH0612</td><td>Wedding</td><td>06/12/2024</td></tr> <tr><td>RE1812</td><td>Wedding</td><td>18/12/2024</td></tr> <tr><td>GO0405</td><td>Wedding</td><td>04/05/2025</td></tr> <tr><td>JO0106</td><td>Religious Festival</td><td>01/06/2025</td></tr> <tr><td>WA2310</td><td>Birthday</td><td>23/10/2025</td></tr> <tr><td>BH2311</td><td>Wedding</td><td>23/11/2025</td></tr> <tr><td>VI1105</td><td>Birthday</td><td>11/05/2026</td></tr> <tr><td>JU1509</td><td>Birthday</td><td>15/09/2026</td></tr> <tr><td>MD0310</td><td>Religious Festival</td><td>03/10/2026</td></tr> <tr><td>SU0611</td><td>Wedding</td><td>06/11/2026</td></tr> </table>	Customer ID ▾	Party Type ▾	Party Date ▾	HA1201	Religious Festival	12/01/2024	LA1002	Birthday	10/02/2024	KH2604	Anniversary	26/04/2024	RI2205	Birthday	22/05/2024	GA1006	Religious Festival	10/06/2024	CH0612	Wedding	06/12/2024	RE1812	Wedding	18/12/2024	GO0405	Wedding	04/05/2025	JO0106	Religious Festival	01/06/2025	WA2310	Birthday	23/10/2025	BH2311	Wedding	23/11/2025	VI1105	Birthday	11/05/2026	JU1509	Birthday	15/09/2026	MD0310	Religious Festival	03/10/2026	SU0611	Wedding	06/11/2026
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	<i>Report:</i> 1. Suitable title - reference to Catering and (Venue) Decoration in a serif font (1) 2. Logo – top left (1) 3. Correct 15 records (1) 4. Shows only Customer ID, Party Type and Party Date in that order (1) 5. No truncation (title and contents) (1) 6. Ascending order of Party date – HA1201 down to SU0611 (1) 7. Include a header – The Perfect Party (1) 8. Fits on one page (1)	8																																															

A2	d (i)	Give the most appropriate data type Brogan should use for the Customer Contact Number field.	
		Text/ Short Text	1
	(ii)	Give the most appropriate field size Brogan should use for the Customer Contact Number field.	
		10/11/12/13/14/15	1
	(iii)	Identify which field would be used as a foreign key in the PARTY table.	
		Customer ID	1
	(iv)	Data entered into CUSTOMER table:	
		Customer ID Customer Name Email Address Preferred Contact Method	SA1203 Samuels samuels@fortran.online Email
		Award 2 marks for 4 correct entries Award 1 mark for 3 correct entries Award no marks for 0, 1 or 2 correct entries	1 1
e	(i)	State one appropriate validation check that could be used on the Date field.	
		Type check Presence check Range check Format check	1
	(ii)	Explain one reason why the Preferred Contact Method field uses 'Limit to List' on the lookup list.	
		To prevent errors (1) because a user can only select from the list (email or mobile) rather than being able to type in anything they wanted (1)	
		A user can't type in anything they wanted (1) which prevents errors (1)	
		To force the user to use only the choices given (1) as it prevents the addition of any new ones (1)	2
		Total for Task A2	25

A3	Web authoring – INDEX and BIRTHDAY web pages																
a (i)	<i>One page to include:</i> - the logo created in Task A1b (1) - the text, 'IT'S PARTY TIME' in a sans-serif font and uppercase (1) - a navigation bar with at least one functioning html link – INDEX to BIRTHDAY or BIRTHDAY to INDEX (1) - a page title - <h1> (code) (1) - background colour – #FAEBD7 (code) (1) RGB 250 235 215 - text colour - #B676B1 (code) (1) RGB 182 118 177	6															
(ii)	<i>The Home page must include:</i> - any text (other than the table text) from the WEB PAGE document (1) - an HTML table with table information from the WEB PAGE document (code) (1) - Row 1 is merged across all columns (1) - Row 1 only has dark background and white text (1) – allow their 1st row - Row 1 is centre aligned (1) – allow their 1st row <table border="1"> <thead> <tr> <th colspan="3">What can we offer you?</th></tr> </thead> <tbody> <tr> <td>Party Type</td><td>Services</td><td>Payment methods</td></tr> <tr> <td>Birthdays</td><td>Catering</td><td>Credit card</td></tr> <tr> <td>Anniversaries</td><td>Entertainment</td><td>Debit card</td></tr> <tr> <td>Celebrations</td><td>Venue Decoration</td><td>Bank transfer</td></tr> </tbody> </table>	What can we offer you?			Party Type	Services	Payment methods	Birthdays	Catering	Credit card	Anniversaries	Entertainment	Debit card	Celebrations	Venue Decoration	Bank transfer	5
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Birthdays	Catering	Credit card															
Anniversaries	Entertainment	Debit card															
Celebrations	Venue Decoration	Bank transfer															
(iii)	<i>The Birthday page must include:</i> two appropriate images (1) – placeholder with an image name in the code (NOT Images 1 & 2) - at least one image set to 450 x 300 pixels (code) (1) - footer with a different background colour (1) (footer with) an email link to mailto:brogan@tpp.service (code) (1)	4															
	Total for Task A3	15															

B1	TASK B1 spreadsheet file																																																																																																																																																																																																																																																																																																										
	<table><tr><td></td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td></tr><tr><td>1</td><td colspan="8">01/06/2022 11:37</td></tr><tr><td></td><td colspan="8">Income from Party Costs</td></tr><tr><td>2</td><td>Customer ID</td><td>Type of party</td><td>Package</td><td>Cost per guest</td><td>Number of guests</td><td>Cost of party</td><td>New customer</td><td>Total with discount</td></tr><tr><td>3</td><td>MEE092024</td><td>Wedding</td><td>Premium W</td><td>£40.00</td><td>250</td><td>£10,000.00</td><td>Yes</td><td>£9,000.00</td></tr><tr><td>4</td><td>ROS052024</td><td>Wedding</td><td>Premium W</td><td>£40.00</td><td>200</td><td>£8,000.00</td><td>Yes</td><td>£7,200.00</td></tr><tr><td>5</td><td>DAC022023</td><td>Wedding</td><td>Superior W</td><td>£50.00</td><td>120</td><td>£6,000.00</td><td>Yes</td><td>£5,400.00</td></tr><tr><td>6</td><td>DAV122023</td><td>Religious Festival</td><td>Premium RF</td><td>£20.00</td><td>150</td><td>£3,000.00</td><td>No</td><td>£3,000.00</td></tr><tr><td>7</td><td>ISA062024</td><td>Wedding</td><td>Standard W</td><td>£25.00</td><td>100</td><td>£2,500.00</td><td>No</td><td>£2,500.00</td></tr><tr><td>8</td><td>GRE112024</td><td>Birthday</td><td>Standard B</td><td>£25.00</td><td>100</td><td>£2,500.00</td><td>Yes</td><td>£2,250.00</td></tr><tr><td>9</td><td>SAN122023</td><td>Wedding</td><td>Premium W</td><td>£40.00</td><td>50</td><td>£2,000.00</td><td>No</td><td>£2,000.00</td></tr><tr><td>10</td><td>MAH122023</td><td>Religious Festival</td><td>Premium RF</td><td>£20.00</td><td>100</td><td>£2,000.00</td><td>No</td><td>£2,000.00</td></tr><tr><td>11</td><td>LEW112024</td><td>Wedding</td><td>Premium W</td><td>£40.00</td><td>50</td><td>£2,000.00</td><td>No</td><td>£2,000.00</td></tr><tr><td>12</td><td>THO032024</td><td>Birthday</td><td>Premium B</td><td>£40.00</td><td>50</td><td>£2,000.00</td><td>Yes</td><td>£1,800.00</td></tr><tr><td>13</td><td>MAS082025</td><td>Birthday</td><td>Standard B</td><td>£25.00</td><td>75</td><td>£1,875.00</td><td>Yes</td><td>£1,687.50</td></tr><tr><td>14</td><td>NUT032023</td><td>Birthday</td><td>Superior B</td><td>£50.00</td><td>30</td><td>£1,500.00</td><td>No</td><td>£1,500.00</td></tr><tr><td>15</td><td>WAP042023</td><td>Anniversary</td><td>Superior A</td><td>£25.00</td><td>55</td><td>£1,375.00</td><td>Yes</td><td>£1,237.50</td></tr><tr><td>16</td><td>BRI052024</td><td>Wedding</td><td>Superior W</td><td>£50.00</td><td>25</td><td>£1,250.00</td><td>Yes</td><td>£1,125.00</td></tr><tr><td>17</td><td>MAR022023</td><td>Wedding</td><td>Superior W</td><td>£50.00</td><td>20</td><td>£1,000.00</td><td>Yes</td><td>£900.00</td></tr><tr><td>18</td><td>LAN012025</td><td>Anniversary</td><td>Standard A</td><td>£10.00</td><td>40</td><td>£400.00</td><td>Yes</td><td>£360.00</td></tr><tr><td>19</td><td>LYS012025</td><td>Children's</td><td>Superior C</td><td>£16.00</td><td>25</td><td>£400.00</td><td>Yes</td><td>£360.00</td></tr><tr><td>20</td><td>LUC042023</td><td>Religious Festival</td><td>Standard RF</td><td>£15.00</td><td>25</td><td>£375.00</td><td>Yes</td><td>£337.50</td></tr><tr><td>21</td><td>PIP082025</td><td>Children's</td><td>Standard C</td><td>£10.00</td><td>30</td><td>£300.00</td><td>Yes</td><td>£270.00</td></tr><tr><td>22</td><td>WHI092024</td><td>Anniversary</td><td>Premium A</td><td>£20.00</td><td>10</td><td>£200.00</td><td>No</td><td>£200.00</td></tr><tr><td>23</td><td colspan="8"></td></tr><tr><td>24</td><td colspan="8">Total cost of all parties including all discounts</td></tr><tr><td>25</td><td colspan="8">£45,127.50</td></tr><tr><td>26</td><td colspan="8"></td></tr><tr><td>27</td><td colspan="8">Number of Premium W packages</td></tr><tr><td>28</td><td 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17	MAR022023	Wedding	Superior W	£50.00	20	£1,000.00	Yes	£900.00																																																																																																																																																																																																																																																																																																			
18	LAN012025	Anniversary	Standard A	£10.00	40	£400.00	Yes	£360.00																																																																																																																																																																																																																																																																																																			
19	LYS012025	Children's	Superior C	£16.00	25	£400.00	Yes	£360.00																																																																																																																																																																																																																																																																																																			
20	LUC042023	Religious Festival	Standard RF	£15.00	25	£375.00	Yes	£337.50																																																																																																																																																																																																																																																																																																			
21	PIP082025	Children's	Standard C	£10.00	30	£300.00	Yes	£270.00																																																																																																																																																																																																																																																																																																			
22	WHI092024	Anniversary	Premium A	£20.00	10	£200.00	No	£200.00																																																																																																																																																																																																																																																																																																			
23																																																																																																																																																																																																																																																																																																											
24	Total cost of all parties including all discounts																																																																																																																																																																																																																																																																																																										
25	£45,127.50																																																																																																																																																																																																																																																																																																										
26																																																																																																																																																																																																																																																																																																											
27	Number of Premium W packages																																																																																																																																																																																																																																																																																																										
28	4																																																																																																																																																																																																																																																																																																										
29																																																																																																																																																																																																																																																																																																											
30	Highest number of guests																																																																																																																																																																																																																																																																																																										
31	250																																																																																																																																																																																																																																																																																																										
a (i)	Row inserted at the top of the spreadsheet and heading Income from Party Costs	1																																																																																																																																																																																																																																																																																																									
(ii)	Merge and centre cells B1 to H1	1																																																																																																																																																																																																																																																																																																									
(iii)	Cell A1 - function to insert the (automated) current date and time =now() or =today()	1																																																																																																																																																																																																																																																																																																									
(iv)	Heading row if no heading row, award marks on their first row: 1. shading - dark (1) 2. font - white and bold and underline (1) 3. row height - 28 award the mark if the row is higher than the other rows (1) 4. text alignment - vertically centred (1)	4																																																																																																																																																																																																																																																																																																									

B1 b(iv)	<i>Total cost including all discounts for all parties</i> =SUM(H3:H22)	1
(v)	<i>Total number of Premium W packages booked</i> =COUNTIF(C3:C22,"Premium W") 1. =COUNTIF (1) 2. (C3:C22,"Premium W") (1) <i>Highest number of guests</i> 3. =MAX(E3:E22)	1 1 1
(vi)	Data sorted into descending order of <i>Total with discount</i> (£9000 to £200)	1
c	<i>Spreadsheet formatting:</i> 1. Currency showing £ with 2dp (any one relevant column – D, F, H) 2. Cell H2 (Heading – <i>Total with discount</i>) wrapped to use space efficiently 3. Gridlines displayed when printed (CTRL + P) 4. All data visible – cell contents, column headings	1 1 1 1
	Total for Task B1	25

B2	<i>Chart</i> Title – must include reference to party type X axis – reference to Party type and Y axis – reference to Number of parties booked Both X and Y must be suitably labelled for the mark	1 1
	Total for Task B2	2

	Document TASK B3	
B3 (i)	<i>Explain one reason why absolute referencing is used in a spreadsheet.</i> Formulae/functions can be replicated (accurately) (1) because cell references do not change (1)	2
(ii)	<i>State the purpose of the length (LEN) function in a spreadsheet.</i> • It counts the number of characters in a cell/used • To generate the length of the contents in the cell	1
(iii)	<i>Explain one reason why an automated date and time field is used in a spreadsheet.</i> The date and time are always current (1) because it updates/refreshes (when the spreadsheet is opened) (1)	2
	Total for Task B3	5

B4	Word processing - LETTER	
a(i)	<i>Letter formatting:</i> 1. Logo inserted in header – right-hand side (1) 2. Date of exam inserted in an appropriate place (1) 3. Appropriate subject inserted between Dear ... and the letter content (1) 4. Bullets added to % discount information (1) 5. Appropriate complimentary close e.g. (Yours) sincerely, Yours faithfully/truly, Kind regards, regards (1) 6. Correct complimentary close – (Yours) sincerely (1) 7. Name of sender – Brogan Saravanan and Manager (1)	7
(ii)	<i>Mail merge fields inserted in the correct location:</i> 1. TITLE, LNAME, FNAME 2. ADDR1, ADDR2, PCODE 3. PARTYTYPE Data file LETTER gave fields in () e.g. (TITLE)	1 1 1
(iii)	<i>Production of merged letters:</i> 1. All 3 letters shown (Preety, Traynor, Chan) Letters are fit for purpose: 2. Placeholders and brackets removed 3. Appropriate spacing between merge fields - TITLE and LNAME, DEAR and FNAME, your PARTYTYPE party	1 1 1

	TASK 4B	
B4 b (i)	<i>Explain one advantage of using mail merge to produce the letters for Brogan's customers.</i> Saves time (1) because she only has to write the letter once (1) Reduced errors (1) because the contact information is already in the table (1) It is efficient/improves consistency (1) because you can reuse the letter to send to new/more contacts (1)	2
(ii)	<i>State one software facility that can be used to ensure accuracy when reviewing a document.</i> • Spelling check • Grammar check • Proofread • Thesaurus	1
(iii)	<i>Describe the difference between data and information.</i> Data are raw (such as numbers, words, symbols) (1) whereas information is data that has been processed to be meaningful (1) Data are unorganised facts (1) whereas information is a collection of data that gives it meaning (1)	2
	Total for Task B4	18

