www.dynamicpapers.com

Pearson Edexcel

Mark Scheme

Summer 2022 (Results)

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

(4IT1) Paper 02: Practical Paper

www.dynamicpapers.com

Edexcel and BTEC Qualifications

Edexcel and BTEC qualifications are awarded by Pearson, the UK's largest awarding body. We provide a wide range of qualifications including academic, vocational, occupational and specific programmes for employers. For further information visit our qualifications websites at www.edexcel.com or www.btec.co.uk. Alternatively, you can get in touch with us using the details on our contact us page at www.edexcel.com/contactus.

Pearson: helping people progress, everywhere

Pearson aspires to be the world's leading learning company. Our aim is to help everyone progress in their lives through education. We believe in every kind of learning, for all kinds of people, wherever they are in the world. We've been involved in education for over 150 years, and by working across 70 countries, in 100 languages, we have built an international reputation for our commitment to high standards and raising achievement through innovation in education. Find out more about how we can help you and your students at: www.pearson.com/uk

Summer 2022
Question Paper Log Number P71376A
Publications Code 4IT1_02_2206_MS
All the material in this publication is copyright
© Pearson Education Ltd 2022

www.dynamicpapers.com

General Marking Guidance

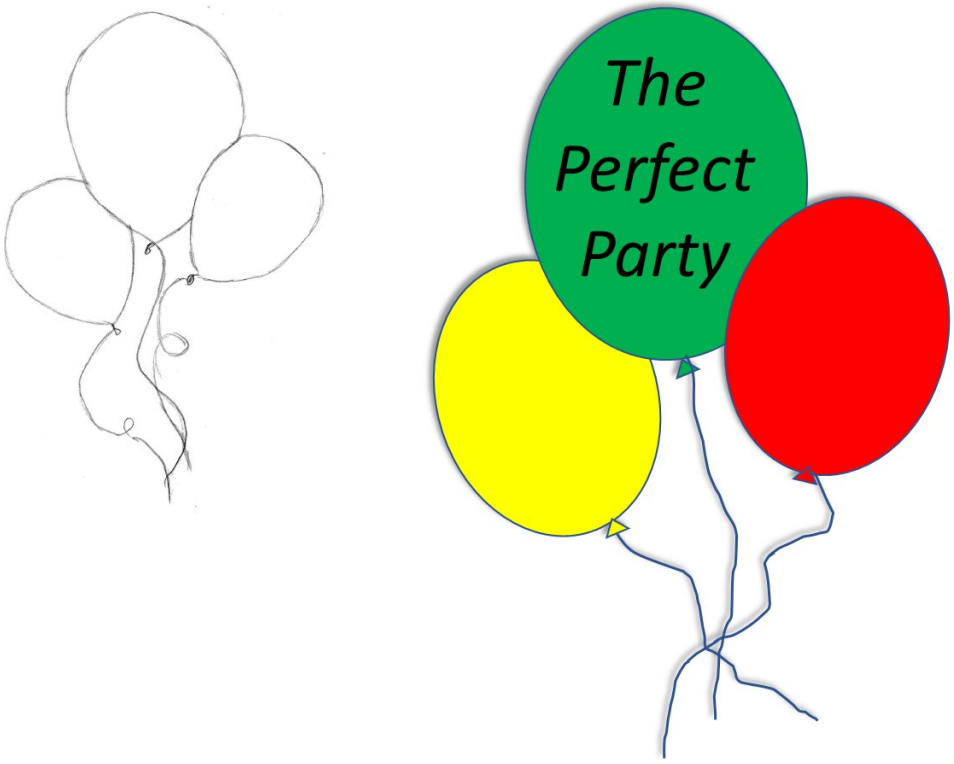
- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should 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.

www.dynamicpapers.com

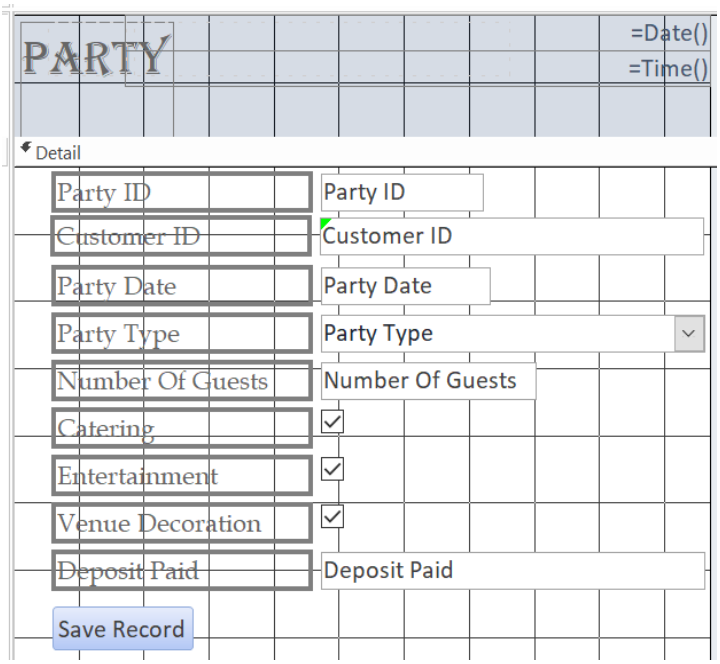
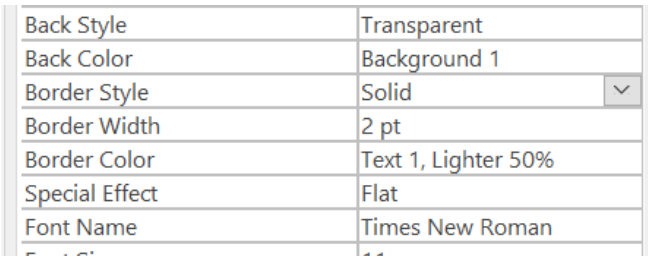
4IT1 02 – 2206 (Party Planning)

Task	Answer	Marks
A1	**TASK A1 and LOGO**	
a	*Identify **two** weaknesses of the existing logo.* • 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	*Logo created using the given sketch:* 1. three balloon shapes (1) 2. at least two different coloured balloons (1) 3. at least one balloon in front of another (1) 4. a reflection on **OR** a shadow behind, at least one balloon (1) 5. curly/curved lines (to represent string) (1) 6. the company name is fit for purpose (appropriate font, colour, size, and position, spelt correctly) (1) – The Perfect Party or THE PERFECT PARTY	6

www.dynamicpapers.com

		
c	*Give **two** features of bitmap images.* • 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 **when enlarged** Accept any other appropriate response	2
	Total for Task A1 and Logo	**10**

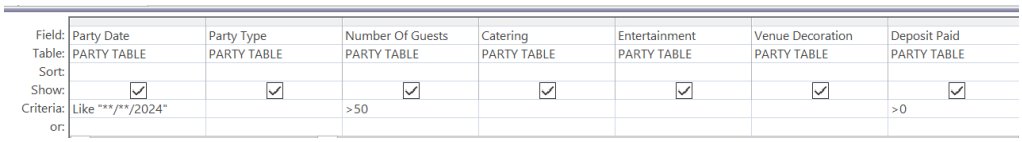
www.dynamicpapers.com

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

www.dynamicpapers.com

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 — 1
Award 1 mark for 2 correct criteria — 1
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) — 5

www.dynamicpapers.com

A2
c

Results of query:

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

Report:

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

www.dynamicpapers.com

<table>
<tr><td>A2
d (i)</td><td>Give the most appropriate data type Brogan should use for the Customer Contact Number field.

Text/ Short Text</td><td>1</td></tr>
<tr><td>(ii)</td><td>Give the most appropriate field size Brogan should use for the Customer Contact Number field.

10/11/12/13/14/15</td><td>1</td></tr>
<tr><td>(iii)</td><td>Identify which field would be used as a foreign key in the PARTY table.

Customer ID</td><td>1</td></tr>
<tr><td>(iv)</td><td>Data entered into CUSTOMER table:

<table>
<tr><td>Customer ID</td><td>SA1203</td></tr>
<tr><td>Customer Name</td><td>Samuels</td></tr>
<tr><td>Email Address</td><td>samuels@fortran.online</td></tr>
<tr><td>Preferred Contact Method</td><td>Email</td></tr>
</table>
Award 2 marks for 4 correct entries
Award 1 mark for 3 correct entries
Award no marks for 0, 1 or 2 correct entries</td><td>1
1</td></tr>
<tr><td>e (i)</td><td>State one appropriate validation check that could be used on the Date field.

Type check
Presence check
Range check
Format check</td><td>1</td></tr>
<tr><td>(ii)</td><td>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)</td><td>2</td></tr>
<tr><td></td><td>Total for Task A2</td><td>25</td></tr>
</table>

www.dynamicpapers.com

<table>
<tr><td>A3</td><td>Web authoring – INDEX and BIRTHDAY web pages</td><td></td></tr>
<tr><td>a (i)</td><td>One page to include:

1. the logo created in Task A1b (1)

2. the text, 'IT'S PARTY TIME' in a sans-serif font and uppercase (1)

3. a navigation bar with at least one functioning html link – INDEX to BIRTHDAY or BIRTHDAY to INDEX (1)

4. a page title - <h1> (code) (1)

5. background colour – #FAEBD7 (code) (1) RGB 250 235 215

6. text colour - #B676B1 (code) (1) RGB 182 118 177</td><td>6</td></tr>
<tr><td>(ii)</td><td>The Home page must include:

1. any text (other than the table text) from the WEB PAGE document (1)

2. an HTML table with table information from the WEB PAGE document (code) (1)

3. Row 1 is merged across all columns (1)

4. Row 1 only has dark background and white text (1) – allow their 1st row

5. Row 1 is centre aligned (1) – allow their 1st row

<table>
<tr><th colspan="3">What can we offer you?</th></tr>
<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>
</table></td><td>5</td></tr>
<tr><td>(iii)</td><td>The Birthday page must include:

1. two appropriate images (1) – placeholder with an image name in the code (NOT Images 1 & 2)

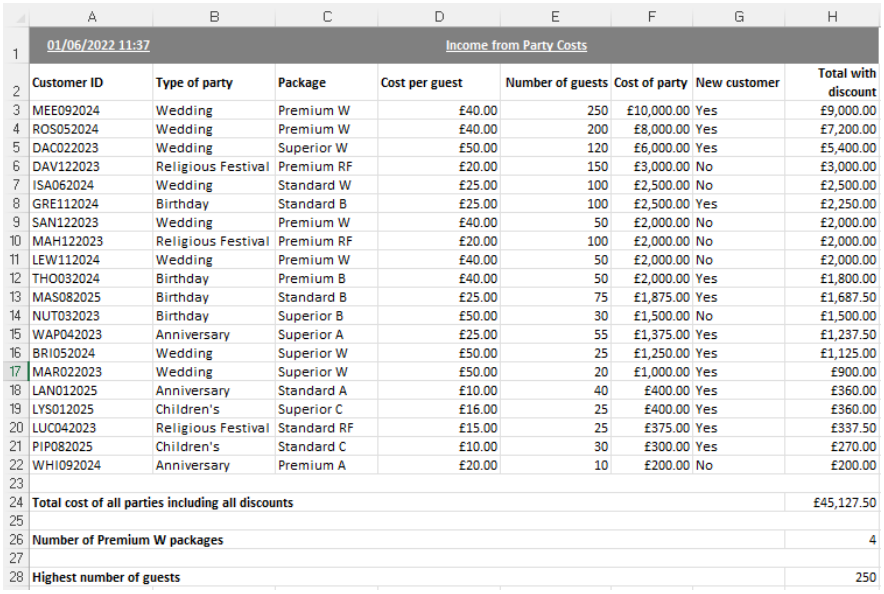
2. at least one image set to 450 x 300 pixels (code) (1)

3. footer with a different background colour (1)

4. (footer with) an email link to mailto:brogan@tpp.service (code) (1)</td><td>4</td></tr>
<tr><td></td><td>Total for Task A3</td><td>15</td></tr>
</table>

www.dynamicpapers.com

B1	**TASK B1 spreadsheet file**	



	A	B	C	D	E	F	G	H
1	01/06/2022 11:37				Income from Party Costs			
2	**Customer ID**	**Type of party**	**Package**	**Cost per guest**	**Number of guests**	**Cost of party**	**New customer**	**Total with discount**
3	MEE092024	Wedding	Premium W	£40.00	250	£10,000.00	Yes	£9,000.00
4	ROS052024	Wedding	Premium W	£40.00	200	£8,000.00	Yes	£7,200.00
5	DAC022023	Wedding	Superior W	£50.00	120	£6,000.00	Yes	£5,400.00
6	DAV122023	Religious Festival	Premium RF	£20.00	150	£3,000.00	No	£3,000.00
7	ISA062024	Wedding	Standard W	£25.00	100	£2,500.00	No	£2,500.00
8	GRE112024	Birthday	Standard B	£25.00	100	£2,500.00	Yes	£2,250.00
9	SAN122023	Wedding	Premium W	£40.00	50	£2,000.00	No	£2,000.00
10	MAH122023	Religious Festival	Premium RF	£20.00	100	£2,000.00	No	£2,000.00
11	LEW112024	Wedding	Premium W	£40.00	50	£2,000.00	No	£2,000.00
12	THO032024	Birthday	Premium B	£40.00	50	£2,000.00	Yes	£1,800.00
13	MAS082025	Birthday	Standard B	£25.00	75	£1,875.00	Yes	£1,687.50
14	NUT032023	Birthday	Superior B	£50.00	30	£1,500.00	No	£1,500.00
15	WAP042023	Anniversary	Superior A	£25.00	55	£1,375.00	Yes	£1,237.50
16	BRI052024	Wedding	Superior W	£50.00	25	£1,250.00	Yes	£1,125.00
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**							£45,127.50
25								
26	**Number of Premium W packages**							4
27								
28	**Highest number of guests**							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

www.dynamicpapers.com

B1 b(i)	*Cost per guest* **VLOOKUP** 1. Use of correct function =VLOOKUP( ) or =LOOKUP( ) 2. Use of correct lookup value C3 3. Use of correct table array (Details!A$4:B$18) / lookup vector (Details!A$4:A$18) 4. Use of correct column index number (2) **OR** use of correct result vector in Lookup (Details!B$4:B$18) *Examples:* =VLOOKUP(C3,Details!A$4:B$18,2,0) – allow without the ,0 =LOOKUP(C4,Details!A$4:A$18,Details!B$4:B$18) Allow any other acceptable range – eg, A1:B18 Accept without use of absolute referencing Allow named ranges	1 1 1 1

B1 b(ii)	*F3 – Cost of party* *(Cost per guest * Number of guests)* 1. *=(D3*E3)* _____ *H3 – Cost with New Customer discount* *=IF(G3="Yes",F3-F3*DETAILS!$F$4,F3)* 2. *=IF(G3="Yes",* 3. *F3-* 4. *F3*DETAILS!$F$4,F3)* *If the function has been separated over two calculations: =if(F3="Yes",F3*DETAILS!$F$4,F3) in H3 and =G3-H3 in I3 only award 2 marks* Do not allow the use of 10%, 90%, 0.9 or anything other than Details!F4	1 1 1 1
(iii)	Replicate functions and formulae for **all** other customers	1

www.dynamicpapers.com

B1 b(iv)	*Total cost including all discounts for all parties* =SUM(H3:H22)	 1
(v)	*Total number of Premium W packages booked* =COUNTIF(C3:C22,"Premium W") 1. =COUNTIF (1) 2. (C3:C22,"Premium W") (1) *Highest number of guests* 3. =MAX(E3:E22)	 1 1 1
(vi)	Data sorted into descending order of *Total with discount* (£9000 to £200)	1
c	*Spreadsheet formatting:* 1. Currency showing £ with 2dp (any **one** relevant column – D, F, H) 2. Cell H2 (Heading – *Total with discount*) 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	*Chart* 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**

www.dynamicpapers.com

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

www.dynamicpapers.com

B4	**Word processing - LETTER**	
a(i)	*Letter formatting:* 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)	*Mail merge fields inserted in the correct location:* 1. TITLE, LNAME, FNAME 2. ADDR1, ADDR2, PCODE 3. PARTYTYPE Data file LETTER gave fields in ( ) e.g. (TITLE)	1 1 1
(iii)	*Production of merged letters:* 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

www.dynamicpapers.com

	TASK 4B	
B4 b (i)	*Explain **one** advantage of using mail merge to produce the letters for Brogan's customers.* 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)	*State **one** software facility that can be used to ensure accuracy when reviewing a document.* • Spelling check • Grammar check • Proofread • Thesaurus	1
(iii)	*Describe the difference between data and information.* 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**

www.dynamicpapers.com

www.dynamicpapers.com

Pearson Education Limited. Registered company number 872828
with its registered office at 80 Strand, London, WC2R 0RL, United Kingdom