

Paper reference 4IT1/02
Pearson Edexcel
International GCSE

Total Marks

**Information and Communication
Technology (ICT)**
PAPER 2: Practical Paper

13 – 17 November 2023
Time: 3 hours

**In the boxes below, write your name, centre number
and candidate number.**

Surname					
Other names					
Centre Number					
Candidate Number					

YOU MUST HAVE

Data files: EVIDENCE, FITNESS, WEB PAGES, PAYMENTS, LEAFLET CONTENT and IMAGES Folder

YOU WILL BE GIVEN

Data Book.

INSTRUCTIONS

- **Answer ALL questions.**
- **You must not use the internet during the examination.**
- **Save your work into your examination folder.**

INFORMATION

- **There are TWO sections in this paper, with a total of 100 marks.**
- **The marks for EACH task are shown in brackets – use this as a guide as to how much time to spend on each task.**

ADVICE

- **Read through the instructions on page 2.**
 - **Attempt ALL tasks.**
-

INSTRUCTIONS TO CANDIDATES

This paper consists of two sections.

Each section contains several tasks.

Work through the tasks in order.

This table shows the major software used, the marks available and the data files needed for each section.

SECTION	SOFTWARE	MARKS	DATA FILES NEEDED
A	Graphics, database, web authoring	50	EVIDENCE, FITNESS, WEB PAGES, IMAGES Folder
B	Spreadsheet, word processing	50	EVIDENCE, PAYMENTS, LEAFLET CONTENT, IMAGES folder
Total marks		100	

For each task, you may also need to use other software.

Turn over

SCENARIO

Clara owns Evolving with Fitness. The company offers online fitness classes and personal training opportunities.

These are the company's contact details.

Address:

Upper Avenue

Lower Town

EF19 6PT

Telephone: 07700 901999

Email: clara@ewf.service

Website: www.ewf.service

SECTION A

Task A1

Clara needs a logo to be used on some of the company documents.

Task A1a

Create the logo.

The logo must be a simple drawing that is fit for purpose and:

- combines lines and coloured shapes
- represents fitness
- includes **EWF** on the logo.

(4 marks)

SAVE the logo as EWF LOGO

(continued on the next page)

Task A1b

OPEN the document **EVIDENCE**

Answer these questions in the document **EVIDENCE**

- (i) Give **TWO** benefits of using a vector image for a company logo.
(2 marks)
- (ii) Give **ONE** drawback of using a vector image for a company logo.
(1 mark)

RESAVE EVIDENCE

(Total for Task A1 = 7 marks)

Task A2

Clara has collected information about the company's fitness classes.

She has saved the information in the database **FITNESS**

The database has three tables.

Look at the **CLASSES** table for Task A2 in the separate Data Book. The **CLASSES** table includes information about the classes available.

Look at the **CLIENTS** table for Task A2 in the separate Data Book. The **CLIENTS** table includes information about the clients who have booked the classes.

Look at the **BOOKING** table for Task A2 in the separate Data Book. The **BOOKING** table includes information about the classes and the clients who have booked the classes.

(continued on the next page)

Task A2 continued

Clara wants to use a form to add bookings to the **BOOKING** table.

OPEN the **FITNESS** database.

Task A2a

Create a form for the **BOOKING** table.

The form must:

- include the logo you created in **Task A1a** in the top left of the header
- include the title 'Class Booking Form' that has a:
 - serif font
 - dark background and white text
- be customised so the width of the field headings is **3cm**
- include an instruction on the form 'Please check data before saving'.

(6 marks)

(continued on the next page)

Task A2a continued

SAVE the form as **BOOKING_FORM**

TAKE a screenshot of your form in design view that shows you have set the width of the field headings to 3cm.

PASTE the screenshot into document **EVIDENCE**

RESAVE EVIDENCE

(continued on the next page)

Turn over

Task A2b

Another booking has been made.

Use the **BOOKING_FORM** you created in Task A2a to add a new booking on the **BOOKING** table:

BOOKING ID–BK66, **CLIENT ID**–MAD0996,
CLASS ID–MOPIL

(2 marks)

TAKE a screenshot of the completed form.

RESAVE the table.

PASTE the screenshot into document **EVIDENCE**

RESAVE EVIDENCE

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Task A2c

Clara wants a list of clients who:

- are not located in the UK or Europe
- pay monthly for classes
- started classes in **2022** or **2023**

Create a query on the **CLIENTS** table to produce the list.

(2 marks)

SAVE the query as **CLIENTS_QUERY**

TAKE a screenshot of the query design.

PASTE the screenshot into document **EVIDENCE**

RESAVE EVIDENCE

(continued on the next page)

Task A2c continued

The list must:

- show only these fields in this order **CLIENT ID, INITIAL, CLIENT NAME, YEAR STARTED**
- be sorted in descending order of **CLIENT ID**

(3 marks)

DISPLAY the ordered and sorted results of the query.

TAKE a screenshot of the results.

PASTE the screenshot into document **EVIDENCE**

RESAVE EVIDENCE

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Task A2d

Clara wants a list of classes.

The list must:

- include the classes where she is the instructor and that cost **£6.00**
- show only these fields in this order **CLASS ID, DAY, TITLE** and **TYPE**
- sort the results into ascending order of **CLASS ID**

Create a query on the **CLASSES** table to find the information.

SAVE the query as CLASSES_QUERY

(continued on the next page)

Task A2d continued

Clara wants a database report based on the results from the `CLASSES_QUERY`

Create a database report to display the results.

The database report must:

- **have a suitable title**
- **group the report based on the field `DAY`**
- **include an automated date in short date format in the header**
- **show only the required fields**
- **show the records sorted as required**
- **be formatted so the `DAY` field name and the `DAY` field values stand out**
- **include the page number in the report header.**

(8 marks)

(continued on the next page)

Task A2d continued

SAVE the report as **CLASSES REPORT**

TAKE a screenshot in design view showing you have included an automated date in short date format in the header.

PASTE the screenshot into document **EVIDENCE**

TAKE a screenshot of the report in print view making sure you show the page number.

PASTE the screenshot into document **EVIDENCE**

RESAVE EVIDENCE

(continued on the next page)

Task A2e

Create the relationships between the three tables.

(1 mark)

RESAVE the database.

TAKE a screenshot showing the relationships.

PASTE the screenshot into document **EVIDENCE**

RESAVE EVIDENCE

(continued on the next page)

Task A2f

Answer these questions in the document **EVIDENCE**

(i) State ONE field that is used as a primary key in the **FITNESS** database.

(1 mark)

(ii) Give ONE reason why a primary key is used in a database.

(1 mark)

(iii) Explain ONE reason why a lookup list has been used on the **INSTRUCTOR** field in the **CLASSES** table.

(2 marks)

RESAVE EVIDENCE

(Total for Task A2 = 26 marks)

Task A3

Clara wants you to create two web pages to promote the company.

**Content for the web pages is stored in the file
WEB PAGES**

She wants you to create these linked pages:

- **HOME**
- **CLASSES**

Both web pages must be saved as .html

(continued on the next page)

Task A3a

(i) Create the **HOME** page based on this design:

Logo and Company Name		
Link to Home page		Link to Classes page
Text		
Image 250px × 250px	Image 250px × 250px	Image 250px × 250px
For more information email us at (email address)		

(continued on the next page)

Turn over

Task A3a continued

Use these HTML elements:

Company name – <h1>

Text – paragraph <p>

Use this colour scheme:

Background colour – #D7BDE2 (RGB 215, 189, 226)

Text colour – #5B2C6F (RGB 91, 44, 111)

Include THREE appropriate images from the **IMAGES folder and position them as shown in the design.**

(9 marks)

SAVE the web page as HOME

(continued on the next page)

Task A3a continued

(ii) Create the **CLASSES** page based on this design:

Logo and Company Name	
Link to Home page	Link to Classes page
Table	
For more information email us at (email address)	

(continued on the next page)

Turn over

Task A3 continued

Use the same HTML elements as the **HOME** page
(4 marks)

SAVE the web page as the **CLASSES**

Task A3b

Answer these questions in the document **EVIDENCE**

(i) Explain **ONE** benefit of using a template to create
the web pages.

(2 marks)

(ii) Explain **ONE** improvement you would make
to the web pages.

(2 marks)

RESAVE EVIDENCE

(Total for Task A3 = 17 marks)

TOTAL FOR SECTION A = 50 MARKS

Turn over

SECTION B

Task B1

Evolving with Fitness offers online fitness classes.

The spreadsheet **PAYMENTS** contains information on payments made by one client for January.

It has two worksheets called **INVOICE** and **INFORMATION**. Some functions require you to use more than one worksheet.

OPEN the spreadsheet PAYMENTS

(continued on the next page)

Task B1a

(i) Format the **INVOICE** worksheet to:

- merge and centre cells A1 to E1 AND merge and centre cells B2 to E2
- use dark shading for the heading with white text
- right align cells B4, B6 AND B8
- include an automated date in the header

(4 marks)

(ii) Format the **INFORMATION** worksheet to include a named range for cells A1 to E28 named 'ClassInformation'.

(1 mark)

(continued on the next page)

Task B1b

Clara wants you to use spreadsheet tools to analyse the data for the information included for P Bellamy.

- (i) Use spreadsheet functions to display the:
- **Duration (mins)** of the Sunday Bootcamp class
 - **Cost of class** for the Sunday Bootcamp class.

(4 marks)

- (ii) Replicate the functions for **Duration (mins)** and **Cost of class** for the other classes.

(1 mark)

- (iii) Use spreadsheet formulae to calculate the:

- **Total cost for the week**
- **Total cost for the month**

(3 marks)

(continued on the next page)

Task B1b continued

- (iv) Use ONE spreadsheet function, to display the **Discount message '5% discount next month'** if the **Total cost for the month is £100.00** or more. If the message is not displayed, the cell must remain blank.

(3 marks)

- (v) On the **INFORMATION** worksheet, enter a formula to display the **Total number of classes**

(2 marks)

SAVE the spreadsheet as PAYMENTS formula

(continued on the next page)

Task B1c

Format the **INVOICE** worksheet so that:

- currency values show £ with two decimal places
(1 mark)
- row headings **Duration (mins)** and **Cost of class**
use text wrap
(1 mark)
- row and column headings are displayed when the
spreadsheet is printed
(1 mark)
- all cells that contain a heading have a border displayed.
(1 mark)

SAVE the spreadsheet as PAYMENTS values

(Total for Task B1 = 22 marks)

Task B2

SAVE the spreadsheet as FILTER

Clara wants some information.

(i) Filter the INFORMATION worksheet to show the 45 minute classes instructed by Sol.

(2 marks)

(ii) Display only the Class ID, Cost and Instructor

(1 mark)

(iii) Hide all other information on the worksheet so only the filtered data is visible.

(1 mark)

RESAVE FILTER

(Total for Task B2 = 4 marks)

Task B3

Answer these questions in the document **EVIDENCE**

(i) Give **ONE** reason why it is useful to have linked worksheets in a spreadsheet.

(1 mark)

(ii) Explain **ONE** benefit of replicating formulas in a spreadsheet.

(2 marks)

(iii) Give **ONE** benefit of using a header in a spreadsheet.

(1 mark)

(iv) The **INFORMATION** worksheet has the text **Muscle Factory** in the cell B3

Give the name of the function you would use to determine the number of characters in the cell B3

(1 mark)

RESAVE EVIDENCE

(Total for Task B3 = 5 marks)

Task B4

Clara wants to send a leaflet to potential clients to promote the fitness classes.

She wants you to create the leaflet using the:

- **column structure**
- **instructions**
- **content from the **LEAFLET CONTENT** document.**

(continued on the next page)

Task B4 continued

COLUMN STRUCTURE:

SIDE 1

1	2	3
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SIDE 2

4	5	6
---	---	---

(continued on the next page)

INSTRUCTIONS:

The leaflet must:

- **be set to landscape orientation**
- **be two sides of A4 with 3 columns on each side of A4**
- **use the colour scheme purple, black and white**
- **include Evolving with Fitness as a footer.**

Add a suitable heading to column 1 and format it with an appropriate font size and style.

Add an appropriate image to column 1 and include appropriate alt text.

Add some text and images to column 3 and make appropriate use of grouping and layering to make sure the text is in front of the images.

Add a table to column 5 that includes the table information. Format the table by making appropriate use of borders and shading.

Add the 4 icons and relevant text to column 4.

Add appropriate text and images to columns 2 and 6.

(continued on the next page)

Turn over

INSTRUCTIONS continued

Make appropriate use of bullet points.

Ensure the leaflet includes appropriate use of white space.

Use formatting features to ensure the leaflet is fit for purpose and could be sent to potential clients.

(continued on the next page)

Task B4a

Create the leaflet.

(16 marks)

SAVE the document as LEAFLET
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TASK B4b

Answer these questions in the document **EVIDENCE**

(i) Give **ONE** reason why it is important to save work regularly.

(1 mark)

(ii) Explain **ONE** reason why colour choice is important when designing a leaflet

(2 marks)

RESAVE EVIDENCE

(Total for Task B4 = 19 marks)

TOTAL FOR SECTION B = 50 MARKS

TOTAL FOR PAPER = 100 MARKS

END OF TASK
