Please check the examination details below before entering your candidate information

Candidate surname	Other names

Centre Number | Candidate Number

Pearson BTEC Level 1/Level 2 Tech Award

Thursday 2 May 2024

Afternoon (Time: 1 hour 30 minutes)

Paper reference **BIT03**

Digital Information Technology

COMPONENT 3: Effective Digital Working Practices

You do not need any other materials.

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
  – *there may be more space than you need.*

Information

- The total mark for this paper is 60.
- The marks for **each** question are shown in brackets
  – *use this as a guide to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ▶

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Pearson

Answer ALL questions. Write your answers in the spaces provided.

1 Pearls of Wisdom is a dental surgery.

It stores personal data about its patients and their treatments.

(a) A data breach would impact on the dental surgery.

One possible impact could be financial loss.

Give **two other** possible impacts on the dental surgery of a data breach.

(2)

1 .....

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2 .....

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(b) Each staff member uses a password to access the dental surgery's computer system.

One way to ensure their password is strong is to use numbers, symbols and characters because they do not make a real word.

Explain **one other** way staff can ensure their password is strong.

(2)

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(c) The dental surgery uses two-factor authentication.

After staff enter their username and password they must provide another form of identification.

Explain **one** way two-factor authentication will check their identity.

(2)

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(d) The dental surgery sends emails to its patients to remind them that they are due to visit the dentist.

One benefit of using email is that the dental surgery can send the same email to multiple patients at once. This saves time compared to sending an individual email to each patient.

Explain **one other** benefit for the dental surgery of using emails.

(2)

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(e) The dental surgery is thinking of replacing its current computer system.

Explain **two** environmental issues this may cause.

(4)

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(Total for Question 1 = 12 marks)

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2 Dig My Duds is a UK-based fair trade online clothing company.

It buys its fair trade clothing from ethical factories all over the world.

(a) The company uses a scheduling tool to create 'to-do' lists.

Give **two other** ways the company could use a scheduling tool.

(2)

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(b) The company's staff work from home.

Explain **one** benefit for the company of its staff working from home.

(2)

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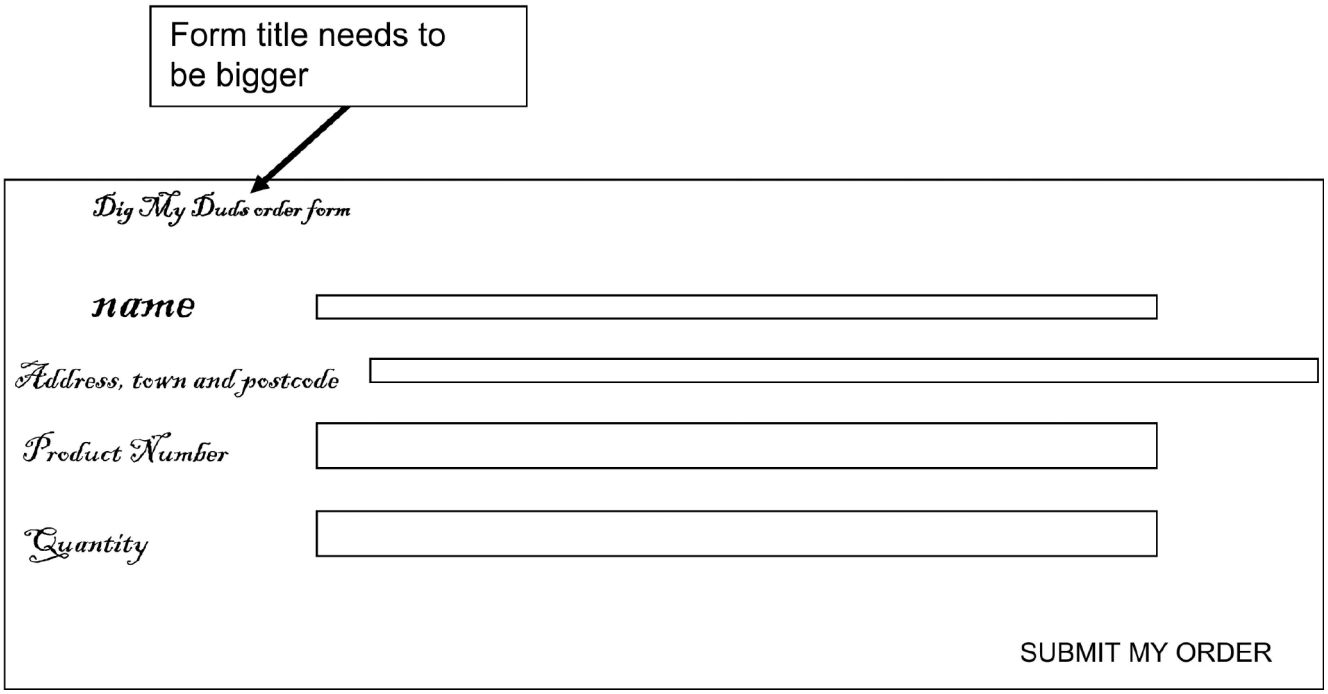
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(c) Dig My Duds has an order form on its website that customers use to purchase its products.

Annotate the image by identifying and labelling **four** improvements that could be made to the layout of the order form to make it more user friendly.

An example has been provided.

(4)



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(d) Staff at Dig My Duds work collaboratively using cloud computing.

Explain **two** ways cloud computing helps the staff to work collaboratively.

(4)

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(Total for Question 2 = 12 marks)

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QUESTION 3 BEGINS ON THE NEXT PAGE.

3 Turbo Rally Parts makes and supplies parts for high performance rally cars.

(a) Explain **one** way Turbo Rally Parts could use software to protect its data.

(2)

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(b) Staff are not allowed to use the company's computers for personal use.

Explain **two** ways the company can monitor staff use of the computers.

(4)

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(c) In the company's disaster recovery policy there is a plan of what action the company should take after an attack.

Investigate and Manage are two of the actions the company must take after an attack.

Explain **each** of these actions.

(4)

Investigate

Manage

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(d) Turbo Rally Parts makes car parts for customers.

Part of the process to make and supply the parts is:

1. The customer sends the part details to the Parts Department.
2. The Parts Department sends a list of materials needed to make the part to the Warehouse.
3. The Parts Department sends the part details to the Workshop.
4. The Warehouse sends a materials transfer note and the materials to the Workshop.
5. When the part has been made, the Workshop sends a job complete sheet to the Parts Department.
6. The Parts Department sends a part collection note to the customer to tell them that the part is ready for collection.

Draw an **information flow diagram** that shows this part of the process.

(6)

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(Total for Question 3 = 16 marks)

4 Cardboard Cut Out Theatre is a company of travelling actors.

The company travels all over the UK performing shows.

The company uses a website to advertise and sell tickets for its shows.

(a) The actors use open Wi-Fi networks to access the company's online system for ticket sales updates.

Describe a security issue for the company when using open Wi-Fi networks.

(3)

(b) The company uses cookies on its website.

Explain **one** benefit to website visitors of cookies.

(2)

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(c) One of the actors has received an email asking them to click on a link to verify their personal data.

They know that an email with a link could be a phishing attempt.

Explain **one other** way the actor could tell if the email is a phishing attempt.

(3)

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(d) Cardboard Cut Out Theatre uses an online form to sell tickets for its shows.

Discuss the accessibility features the company could use on this form.

(6)

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(e) Cardboard Cut Out Theatre collects transactional data from its online form.

It uses this data to plan future shows.

This data contains information such as:

- the types of tickets sold
- when tickets were sold
- the number of tickets sold
- customer details.

Evaluate the use of transactional data.

Your evaluation should include:

- the benefits and drawbacks of using transactional data
- a supported conclusion.

(6)

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(Total for Question 4 = 20 marks)

TOTAL FOR PAPER = 60 MARKS

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